A

Report

on

3rd International Conference

On

Advancements in Nanoelectronics and Communication Technologies

(ICANCT-2022)

24th -26th February, 2022

Jointly Organized by

Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur

&

Institution of Engineers (India), Rajasthan State Center, Jaipur

in Association with

CSIR-IMMT: InTEC, Bhubaneswar

CONVENERS

Prof. Mukesh Arora
Head OFA & ECE, SKIT

Prof. Praveen K. Jain
Dy. HoD, ECE, SKIT

CO-CONVENERS

Dr. Rukhsar Zafar

Ms. Pooja Choudhary

Mr. Ankit Agarwal

ORGANIZING SECRETARY

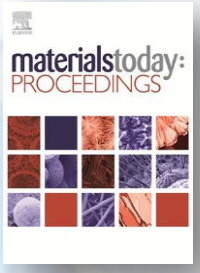
Ms. Gloria Jospeh

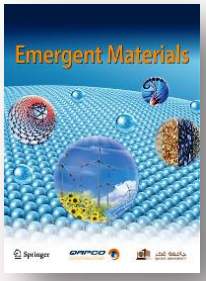
Mr. Lalit Kumar Lata

Mr. Neeraj Jain

Ms. Suman Sharma

PUBLISHING PARTNERS





TECHNICAL SUPPORT

Index

Approval Letter

Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur

Department of Electronics and Communication Engineering

Date: 16 Aug 2021

Note

Following proposals of online Conference/ FDP/ workshops are being submitted for your kind approval.

S.N.	Proposed Title:	Event Type	Name of Coordinator(s)	Tentative dates	Duration	Budget
1	International conference on Advancements in Nano and Communication Technologies	International Conference	Prof. Mukesh Arora/ Dr. PK Jain	24-26 February 2022	3 days	25000
2	Signal processing using Python & MATLAB	Workshop	Dr. Monika Mathur , Ms. Kiran Rathi, Mr. Harshal Nigam , Dr. Shubhi Jain,	17-21 January 2022	1 week	30000
3	Emerging Tools and Techniques in VLSI, MEMS and MOEMS	Workshop	Ms. Manju Choudhary, Namrata Saxena, Dr. Rukhsar Zafar, Dr. Swati Arora	22-27 November, 2021	1 week	30000
4	Student Workhsop on IoT with Machine Learning & Artificial Intelligence	Workshop	Dr. Praveen Kumar Jain, Dr. Rukhsar Zafar, Mr. Ankit Agarwal, Ms. Pooja Choudhary	7-17 February 2022	2 week	56000
5	Application of VLSI in artificial intelligence	FDP	Mr. Vikas Pathak, Neera Jain, Rahul Pandey, Abhinandan Jain	13-18 December, 2021	1 week	30000
6	NBA Accreditation and Teaching - Learning Process in Engineering	FDP	Suman Sharma, Rajni Idiwal, Kiran Rathi, Mamta Jain	15-19 November, 2021	1 week	30000
7	Guest Lecture Series	-	-	Monthly	-	-

Prof. Mukesh Arora 16.8.21

HoD, ECE

Principal, SKIT

Collaboration Documents

ICANCT 2022 <icanct2022@skit.ac.in>

Proposal for jointly organizing International Conference on "Advancements in Nano-electronics and Communication Technologies" (ICANCT-2022)
4 messages

ICANCT 2022 <icanct2022@skit.ac.in> Fri, Dec 10, 2021 at 2:28 PM
To: intec.immt@immt.res.in, pavantogapur@immt.res.in

T. Pavan Kumar
Senior Scientist & Coordinator-MAITRI
CSIR-IMMT
Bhubaneswar

Dear Sir,
Greetings from SKIT!!

It gives me immense pleasure to inform you that Department of ECE, Swami Keshvanand Institute of Technology, Management & Gramothan Jaipur, India is going to organize third International Conference on "Advancements in Nano-electronics and Communication Technologies" (ICANCT-2022) to be held on 24-26 February 2022.

This conference aims at presenting current research being carried out in the areas of Communication, Nanoelectronics, Photonics, Wireless Communication, Mobile Communications, Internet of Things, Machine learning and Artificial Intelligence, Antenna and Wave Propagation and VLSI Technology. This scientific dialogue aims to provide a platform where scientists, researchers, academicians, industry experts, new aspirants, as well as students of science and technology can come together and engage in fruitful exchange of views and ideas to pave way in the field of "Nano electronics and Communication Technologies" to find global partners for future collaboration.
The main objective of the conference is to provide a platform to exchange information and new advancements of the concerning fields among different groups. The conference will be organized in online mode.
Therefore, we request you to give your consent to organize the conference in association with CSIR-IMMT:InTEC-MAITRI.
In this regard, we are seeking your permission.
Thank you in advance for any comment, idea or suggestion that you can offer towards the success of the conference.

Waiting for your positive response

Thanks and Regards

Pooja Choudhary
(Co-Convener, ICANCT-2022)
Assist. Professor, ECE Department
SKIT,M&G Jaipur

Togapur Pavan Kumar <pavantogapur@immt.res.in> Fri, Dec 10, 2021 at 5:23 PM
To: icanct2022@skit.ac.in

Dear Pooja Choudhary,

Appreciate your interest to associate with us through MAITRI in organizing this joint program. We will be happy to associate in conduct of this online event, kindly goahead with the program plan/design and update us for possible support in making it a grand success.

We can also discuss as and when required.

Best wishes,
Pavan

Dr T Pavan Kumar, PhD, PGDPL (Patents Law-NALSAR)
Senior Scientist - Chemistry & IP
PME / Strategy Planning & Business Development-SPBD
Coordinator- Intellectual Property & Convener - Business Development
Convener & Manager - Innovative Technology Enabling Center (InTEC)
Ethics Officer & Secretary - Standing Ethics Committee-SEC
Coordinator-MAITRI; Coordinator -Monthly Dir-Staff Meeting
CSIR-Institute of Minerals and Materials Technology (IMMT)
Sachivalaya Marg, Bhubaneswar - 751013
Mobile: 8008105781; Office: 0674-2379294
Email: pavantogapur@immt.res.in / pavantogapur@gmail.com

Dr. Praveen K Jain <pkjain@skit.ac.in>

Proposal for Jointly organize International Conference and Publishing Partner (Journal: The Institution of Engineers (India): Series B)

1 message

Dr. Praveen K Jain <pkjain@skit.ac.in> Sat, Dec 4, 2021 at 12:11 PM
To: rajasthansc@ieindia.org
Cc: icanct2022@skit.ac.in, saxenagunjan@yahoo.com
Bcc: Rukhsar Zafar <Rzafar@skit.ac.in>, Pooja Choudhary <pooja.choudhary@skit.ac.in>

Chairman
The Institution of Engineers (India)
Rajasthan State Centre
Jaipur

Dear Sir,
Greetings from SKIT!!

It gives me immense pleasure to inform you that Department of ECE, Swami Keshvanand Institute of Technology, Management & Gramothan Jaipur, India is going to organize third International Conference on "Advancements in Nano-electronics and Communication Technologies" (ICANCT-2022) to be held on 24-26 February 2022.

This conference aims at presenting current research being carried out in the areas of Communication, Nanoelectronics, Photonics, Wireless Communication, Mobile Communications, Internet of Things, Machine learning and Artificial Intelligence, Antenna and Wave Propagation and VLSI Technology. This scientific dialogue aims to provide a platform where scientists, researchers, academicians, industry experts, new aspirants, as well as students of science and technology can come together and engage in fruitful exchange of views and ideas to pave way in the field of "Nano electronics and Communication Technologies" to find global partners for future collaboration.
The main objective of the conference is to provide a platform to exchange information and new advancements of the concerning fields among different groups. The conference will be organized in online mode.
Therefore, we request you to give your consent to jointly organize the conference under IE(I), Rajasthan center. It's also requested to be publishing partner for the conference.
In this regard, we are seeking your permission to publish the accepted and presented papers (within the limits of plagiarism) in Journal, The Institution of Engineers (India): Series B
Thank you in advance for any comment, idea or suggestion that you can offer towards the success of the conference.

Waiting for your positive response

Thanks and Regards

Dr. Praveen K Jain
M.Tech.(IIT Roorkee), Ph.D. (MNIT, Jaipur)
NET-JRF, GATE
Professor & Deputy Head
Department of Electronics and Communication Engineering
(Accredited by NBA)
Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur
+91-9928652224, praveenjain.spsi@gmail.com

Brochure

INTERNATIONAL CONFERENCE ON
ADVANCEMENT IN NANOELECTRONICS & COMMUNICATION TECHNOLOGIES (ICANCT-2022)
(Feb 24-26, 2022)
Jointly Organized by
Department of Electronics and Communication Engineering
Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur
&
Institution of Engineers (India), Rajasthan State Center, Jaipur
in Association with
CSIR-IMMT: InTEC-MAITRI, Bhubaneswar

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Shri Rajaram Meel

PATRON
Shri Surja Ram Meel, Chairman SKIT
Shri Jaipal Meel, Director SKIT

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Prof. Rohit Mukharjee, Incharge-Ist Year, SKIT
Prof. S.K. Bhatnagar, ECE, SKIT
Prof. Satyan Vijayvargiya, ECE, SKIT

CONVENERS
Prof. Mukesh Arora, Head OFA & ECE, SKIT
Prof. Praveen K. Jain, ECE, SKIT

CO-CONVENERS
Dr. Rukhsar Zafar, ECE, SKIT
Mr. Ankit Agarwal, ECE, SKIT
Ms. Pooja Choudhary, ECE, SKIT

ORGANIZING SECRETARY
Ms. Gloria Joseph, ECE, SKIT
Mr. Lalit Kumar Lata, ECE, SKIT
Mr. Neeraj Jain, ECE, SKIT
Ms. Suman Sharma, ECE, SKIT

INTERNATIONAL ADVISORY COMMITTEE
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Dr. Mukesh Kumar, IIT, Indore
Dr. Jai Narayan Tripathi, IIT Jodhpur
Dr. Sanjeev Kumar Matya, NIT AP
Dr. Shashikant Sharma, IIIT Ranchi

About ICANCT 2022

International Conference on Advancement in Nano-electronics and Communication Technologies (ICANCT- 2022) is a three-day conference that aims at presenting current researches being carried out in the areas of Communication, Nanoelectronics, Photonics, Wireless Communication, Mobile Communications, Antenna, and Wave Propagation, Optical Communication, Image Processing, Internet of Things, Machine Learning, Artificial Intelligence, Embedded System and VLSI technology for scientists, scholars, engineers students from the universities, technologists, entrepreneurs and policymakers all around the World, Thus the conference intends to bring together the best minds from around the world to cover literally all aspects of energy technology from a multi-disciplinary perspective.

Scope of the Conference

- Mobile & Wireless Networks
- Communication Engineering
- Signal and Image Processing
- Photonics Communication
- Communication Networks
- Optical Signal Processing
- Wireless Communication
- Artificial Intelligence
- Antennas
- Embedded Systems & VLSI Design
- Optical Devices & Photonics
- IoT & Machine Learning
- Nano Electronic Devices
- Nano-Medical Devices
- Integrated Photonics
- Nano Composites
- Image Processing
- Nano Structures

IMPORTANT DATES

Deadline for Abstract Submission:	15-01-2022
Notification of Acceptance:	20-01-2022
Camera Ready Paper Submission:	10-02-2022
Registration Close:	15-02-2022
Conference Dates:	Feb 24-26, 2022

PAPER SUBMISSION

Authors can submit abstracts of original research work through easy chair conference management system by using the following link:
https://Easychair.org/cfp/ICANCT2022

Template for abstract can be accessed through this link:
https://icanct.skit.ac.in/authorguidelines.php

All the accepted and registered Papers will be published in Materials Today: Proceedings, indexed in Scopus (Elsevier). Selected papers will be published in the journal (Emergent materials) after peer review process of publisher.

FEE DETAILS

For PhD / MTech / BTech Students
Indian INR 3500/- Foreigners USD $50
For PhD / MTech / BTech Students
(IE/ISTE/OSA/IETE Member)
Indian INR 3000/- Foreigners USD $40
Academicians
Indian INR 5000/- Foreigners USD $70
Industry Person
Indian INR 7000/- Foreigners USD $120

PUBLISHING PARTNERS

For More Information visit:
www.icanct.skit.ac.in
or scan

for further query, mail at
icanct2022@skit.ac.in

Schedule

3rd International Conference on
Advancements in Nanoelectronics and Communication Technologies
(ICANCT-2022)

Jointly Organized by
Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur
&
Institution of Engineers (India), Rajasthan State Center, Jaipur

in Association with
CSIR-IMMT: InTEC, Bhubaneswar

Schedule of the Conference

Day 1: February 24, 2022 (Thursday)	
9:30 am-10:30 am	Inauguration of Program Chief Guest: Dr. Deep Jariwala Principal Investigator, Device Research and Engineering Laboratory, University of Pennsylvania, Philadelphia, United States Guest of Honor: Dr. Kishore Kumar Sadasivuni Professor, Center for Advanced Materials, Qatar University & Managing Director, Journal of Emergent Materials (Springer)
10:30 am- 11:15 am	Keynote Talk-1 Dr. Kishore Kumar Sadasivuni Professor, Center for Advanced Materials, Qatar University Qatar
11:30 am- 12:15 pm	KeynoteTalk-2 Dr. Ayşegül Uygun Öksüz Professor, Suleyman Demirel University, Turkey
12:15 pm-1:00 pm	Lunch Break
1:00 pm-3:30 pm	Paper Presentation Session-1 Session Chair: Dr. Pooja Sharma CFUM-UP, University of Minho CEMMPRE, University of Coimbra, Portugal Paper Presentation ID: 5, 6, 56, 57, 60, 63,71, 85, 99, 117

Day 2: February 25, 2022 (Friday)	
09:00 am – 12:00 pm	**Invited Talk: Dr. Ghanshyam Singh** Professor, Department of Electrical and Electronic Engineering, University of Johannesburg, South Africa Paper Presentation Session-2 **Session Chair: Dr. Bosky Sharma** EPFL, Swiss Federal Institute of Technology Lausanne, Switzerland **Paper Presentation ID:** 11, 14, 22, 26, 33, 44, 45, 77, 108, 114
12:00 pm - 12:30 pm	Break
12:30 pm – 3:30 pm	**Invited Talk: Dr. Ankit Goyal** University of Amsterdam, Netherland Paper Presentation Session-3 **Session Chair: Dr. Neha Sharma** University Engineering College, Sarguja University, Chhattisgarh, India **Paper Presentation ID:** 21, 25, 30, 66, 67, 75, 79, 81, 82, 96, 116
Day 3: February 26, 2022 (Saturday)	
9:00 am – 12:00 pm	**Invited Talk: Dr. Tawfik Ismail** Director of WINC Research Center, Director of Wireless Technology Master Program, Nile University, Egypt Paper Presentation Session-4 **Session Chair: Dr. Manoj Jangid** University of Michigan, United State **Paper Presentation ID:** 42, 50, 52, 51, 58, 68, 97, 103, 106, 109, 115
12:00 pm - 12:30 pm	Lunch Break
12.30 pm – 3:00 pm	**Invited Talk: Dr. Umesh Chand** Scientist II, Institute of Microelectronics, Agency for Science, Technology and Research (A STAR), Singapore Paper Presentation Session-5 **Session Chair: Dr. Amit Singhal** Ulster University, United Kingdom **Paper Presentation ID:** 19, 28, 32, 35, 36, 78, 86, 89, 91, 100
3.00 pm – 3:30 pm	Valedictory Session

Invitation Letter

3rd International Conference on

Advancements in Nanoelectronics and Communication Technologies

(ICANCT-2022)

Jointly Organized by

Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur

&

Institution of Engineers (India), Rajasthan State Center, Jaipur

in Association with

CSIR-IMMT: InTEC, Bhubaneswar

Inaugural Ceremony

(Feb 24, 2022 from 09:30 AM Onwards)

Chief Guest

Dr. Deep Jariwala

Principal Investigator, Device Research and Engineering Laboratory, University of Pennsylvania, Philadelphia, United States

Guest of Honor

Dr. Kishore Kumar Sadasivuni

Professor, Center for Advanced Materials, Qatar University & Managing Director, Journal of Emergent Materials (Springer)

You are cordially invited to join the inaugural ceremony of International Conference on "***Advancements in Nanoelectronics and Communication Technologies (ICANCT-2022)***".

Please grace the event by your benign presence.

The link to join the event is provided below: shorturl.at/eptuU (Password for Webex Meeting is "12345") You are requested to please join the event 15 minutes before the scheduled time (i.e. at 9:15 am).

With Regards

Organizing Team

ICANCT-2022

3rd International Conference on
Advancements in Nanoelectronics and Communication Technologies
(ICANCT-2022)

Jointly Organized by
Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur
&
Institution of Engineers (India), Rajasthan State Center, Jaipur
in Association with
CSIR-IMMT: InTEC, Bhubaneswar

Minute to Minute Program

Inaugural Ceremony	
9:30 am - 9:35 am	Introduction of Event
9:35 am - 9:40 am	Welcome Note Prof. S. L Surana, Director (Academics), SKIT, Jaipur
9:40 am - 9:45 am	About IE(I), Rajasthan State Centre Mr. Gunjan Saxena, Chairman IE(I), Rajasthan State Centre
9:45 am - 9:50 am	About CSIR-IMMT: InTEC Prof. T Pavan Kumar, Senior Scientist, CSIR-IMMT: InTEC
9:50 am -10:00 am	Motivational Speech by Guest of Honor Dr. Kishore Kumar Sadasivuni, Professor, Center for Advanced Materials, Qatar University & Managing Director, Journal of Emergent Materials (Springer)
10:00 am -10:20 am	Words of Wisdom by Chief Guest Dr. Deep Jariwala, Principal Investigator Device Research and Engineering Laboratory, University of Pennsylvania, Philadelphia, United States
10:20 am - 10:25 am	Vote of Thanks Prof Mukesh Arora Head-ECE &OFA, SKIT
10:25 am -10:30 am	Group Photograph

List of Invited Guests and Speakers

S. No	Guest/Speakers	Name and Affiliation
1.	Chief guest of Program	**Dr. Deep Jariwala** Principal Investigator, Device Research and Engineering Laboratory, University of Pennsylvania, Philadelphia, United States
2.	Guest of Honor & Invited Speaker 1	**Dr. Kishore Kumar Sadasivuni** Professor, Center for Advanced Materials, Qatar University & Managing Director, Journal of Emergent Materials (Springer)
3.	Invited Speaker 2	**Dr. Ayşegül Uygun Öksüz** Professor, Suleyman Demirel University, Turkey
4.	Invited Speaker 3	**Dr. Ghanshyam Singh** Professor, Department of Electrical and Electronic Engineering, University of Johannesburg, South Africa
5.	Invited Speaker 4	**Dr. Ankit Goyal** University of Amsterdam, Netherland
6.	Invited Speaker 5	**Dr. Tawfik Ismail** Director of WINC Research Center, Director of Wireless Technology Master Program, Nile University, Egypt
7.	Invited Speaker 6	**Dr. Umesh Chand** Scientist II, Institute of Microelectronics, Agency for Science, Technology and Research (A STAR), Singapore
8.	Session Chair 1	**Dr. Pooja Sharma** CFUM-UP, University of Minho CEMMPRE, University of Coimbra, Portugal
9.	Session Chair 2	**Dr. Bosky Sharma** EPFL, Swiss Federal Institute of Technology Lausanne, Switzerland
10	Session Chair 3	**Dr. Neha Sharma** University Engineering College, Sarguja University, Chhattisgarh, India
11.	Session Chair 4	**Dr. Manoj Jangid** University of Michigan, United State
12.	Session Chair 5	**Dr. Amit Singhal** Ulster University, United Kingdom

Consent of the Speakers

Dr. Praveen K Jain <pkjain@skit.ac.in>

Invitation to be the "Guest of Honour" to grace the inaugural ceremony of International Conference on "Advancements in Nano-Electronics and Communication Technologies" (ICANCT-2022) on 24th February, 2022 at 9:30 AM (IST) (online Mode: Cisco-Webex Platform)

4 messages

Dr. Praveen K Jain <pkjain@skit.ac.in> Thu, Feb 10, 2022 at 8:15 PM
To: dmj@seas.upenn.edu

Prof. Deep Jariwala
Principal Investigator
Electrical and System Engineering
University of Pennsylvania

Greetings from SKIT, Jaipur!!!

Reference Prof. Praveen Kumar-IACS Kolkata

It gives us immense pleasure to inform you that the **Department of Electronics and Communication Engineering, Swami Keshvanand Institute of Technology, Management & Gramothan (SKIT,M&G), Jaipur, India** is going to organize a **3rd International Conference on "Advancements in Nano-Electronics and Communication Technologies" (ICANCT-2022) on 24th -26th February, 2022.**
Weblink of Conference: www.icanct2022.skit.ac.in

About Institute: Our institute, Swami Keshvanand Institute of Technology, Management & Gramothan has been ranked as No. 1 Engineering college of Rajasthan by RTU, Kota. It was established in the year 2000. SKIT is putting in efforts for making industry-ready engineers and managers through effective Industry–Institute Interface. Apart from University curriculum SKIT also pursues activities for research and development in various fields.
Web-link: www.skit.ac.in

I feel honored to invite you to be the GUEST of HONOUR at the inaugural ceremony of ICANCT 2022 (Webex Platform) on 24th February 2022 at 9:30 AM to 10:30 AM (IST).

I request you to accept our invitation and motivate the participants as the Guest of Honour (15-20 Minute)

Thanks and regards

Deep Jariwala <dmj@seas.upenn.edu> Mon, Feb 14, 2022 at 6:19 PM
To: "Dr. Praveen K Jain" <pkjain@skit.ac.in>

Dr. Jain,

I confirm and accept the invitation.

Do I need to present with powerpoint slides or just an oral speech ? Please let me know what is required of me.

Deep

–
Deep Jariwala
Assistant Professor
Department of Electrical and Systems Engineering
University of Pennsylvania
Office: 360, Levine Hall
847-708-4755 (M)/ 215-746-4380 (O)
Skype: deep.jariwala. Zoom ID: 780-756-2373
https://jariwala.seas.upenn.edu/

[Quoted text hidden]

Dr. Praveen K Jain <pkjain@skit.ac.in> Mon, Feb 14, 2022 at 6:53 PM
To: Deep Jariwala <dmj@seas.upenn.edu>

Thank you sir
As you will be an honoured guest of the inaugural ceremony, so it is not necessary that you have to use PPT. You have to just brief the theme of the conference and current aspects. But if you want to share something with participants using ppt, then it's not a problem. I mean it is upto you how you brief the content (15-20 minutes).
I also want to share with you that Dr. Kishore Kumar Sadasivuni, Professor, Center for Advanced Materials, Qatar University, Qatar and Managing Director, Journal of Emergent Materials (Springer) will also be a guest of the program. He will speak for (5-10 minutes).
I will share a minute to minute schedule of the program and link to join the session 2 days before the event.

Thanking you

Dr. Praveen K Jain <pkjain@skit.ac.in>

Link for Joining Session (ICANCT 2022)

2 messages

Dr. Praveen K Jain <pkjain@skit.ac.in> Tue, Feb 22, 2022 at 9:37 AM
To: kishorkumars@qu.edu.qa

Prof. Kishore Kumar

Greetings from SKIT Jaipur.
Thanking you for accepting our request to be Guest of Honor in the Inaugural ceremony of the International Conference ICANCT-2022.
Please find attached herewith the links for joining the session and minute to minute program.

Date: 24th February 2022
Time: 9:30 AM (Indian Standard Time)
Link for joining session as Panelist:
https://skitjaipur.webex.com/skitjaipur/onstage/g.php?MTID=ee62fdffff97a3ac14ac608df4f710010
Password:123456
Mail ID: kishorkumars@qu.edu.qa

Please join 10 minutes before the scheduled time for checking audio and video quality.

If any technical issue occurs then join as attendee, host will make you panelist.
Link for attendee:
https://skitjaipur.webex.com/skitjaipur/onstage/g.php?MTID=e86b4c7e297658123cc801a1e49984147
Password: 12345

Thanks and regards

Invitation for expert lecture in ICANCT 2022

Aysegul Uygun <aysegul.uygun@yahoo.com> Wed, Jan 19, 2022 at 1:48 AM
To: "ayseguluygun@sdu.edu.tr" <ayseguluygun@sdu.edu.tr>, ICANCT 2022 <icanct2022@skit.ac.in>

Dear Organizing Team

thank you very much for your kind invitation.

Plese could you find attached abstract and bio docs.

Kind regards
Aysegul Uygun Oksuz

Dr Aysegul Uygun Oksuz
Suleyman Demirel University
Faculty of Arts and Science
Department of Chemistry
32260 Isparta/TURKEY
ayseguluygun@sdu.edu.tr
aysegul.uygun@yahoo.com

Amit Singhal <amit9460@gmail.com> Thu, Feb 24, 2022 at 5:44 PM
To: "Dr. Praveen K Jain" <pkjain@skit.ac.in>

Dear sir,

Thank you very much for the invitation. I am honoured to be a session chair.

Best regards
Amit

Dr. Amit Kumar Singhal
Research Associate
Tel: +447570664290
E: singhal-a@ulster.ac.uk
: @vish_amitks
[Quoted text hidden]

Dr. Praveen K Jain <pkjain@skit.ac.in>

Link for Joining Session and Abstract Details (For Session Chair)

1 message

Dr. Praveen K Jain <pkjain@skit.ac.in> Tue, Feb 22, 2022 at 12:29 PM
To: boskiisharma@gmail.com

Dr. Bosky Sharma

Dear Madam
Greetings from SKIT Jaipur.

Thanking you for accepting our request to be session chair in the conference ICANCT-2022. Please find attached herewith the links for joining the sessions and schedule of the conference. I am also attaching the abstract of the paper presentation session-2 in which you are the session chair.

Please join as panelist link, if any technical issue occurs then join as attendee, host will make you panelist.

Thanks and regards

Link for Joining Session and Abstract Details (For Session Chair)

9 messages

Dr. Praveen K Jain <pkjain@skit.ac.in> Tue, Feb 22, 2022 at 12:36 PM
To: manojcct@gmail.com, manojj@umich.edu

Dr. Manoj Jangid

Dear Sir
Greetings from SKIT Jaipur.

Thanking you for accepting our request to be session chair in the conference ICANCT-2022. Please find attached herewith the links for joining the sessions and schedule of the conference. I am also attaching the abstract of the paper presentation session-4 in which you are the session chair.

Please join as panelist link, if any technical issue occurs then join as attendee, host will make you panelist.

Thanks and regards

Manoj Jangid <manojj@umich.edu> Wed, Feb 23, 2022 at 5:26 AM
To: "Dr. Praveen K Jain" <pkjain@skit.ac.in>
Cc: manoj google account <manojcct@gmail.com>

Dear Praveen,

Thank you for inviting me to chair the session and your sharing the details of the conference programs.

I would need a small information about the my session. Do I need to evaluate the presentations? It would nice if you share the details of the presenters, their topics and biosketch (if that really needed). Moreover, if any other special instructions from your side, please let me know.

Looking forward.
Best,
Manoj
[Quoted text hidden]

ICANCT 2022 <icanct2022@skit.ac.in>

Invitation for expert lecture in ICANCT 2022

Singh, Ghanshyam <ghanshyams@uj.ac.za> Sat, Jan 22, 2022 at 4:21 PM
To: ICANCT 2022 <icanct2022@skit.ac.in>

Dear Dr Rukhsar,

Thank for the email. Please find the attached my brief biograph. However, the graphical Abstract will share soon with you.
The topic of my keynote is: 6G Communication Systems: Potential Key Driver and Open Research Challenges

With best regards,

Prof. Ghanshyam Singh, (Ph D, IIT BHU)
Professor,
Department of Electrical and Electronics Engineering Science
Faculty of Engineering and the Built Environment
Auckland Park Kingsway Campus, University of Johannesburg,
PO Box 524, Johannesburg 2006, South Africa

B2 Lab 27
Tel.: +27 11 559 3879
Email: ghanshyams@uj.ac.za
https://www.uj.ac.za/contact/Pages/Prof.%20Ghanshyam%20Singh.aspx
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The great teacher is not the man who supplies the most facts, but the one in whose presence we become different people. - Ralph Waldo Emerson

Prof. Ghanshyam Singh
Professor: Electronics and Communication Engineering & Director: Center for Smart Information and Communication Systems
Electrical and Electronic Engineering Science
PhD (IIT BHU)

Link for Joining Session and Abstract Details (For Session Chair)

4 messages

Dr. Praveen K Jain <pkjain@skit.ac.in> Tue, Feb 22, 2022 at 12:12 PM
To: poojamnit2014@gmail.com

Dear Madam
Greetings from SKIT Jaipur.

Thanking you for accepting our request to be session chair in the conference ICANCT-2022. Please find attached herewith the links for joining the sessions and schedule of the conference. I am also attaching the abstract of the paper presentation session-1 in which you are the session chair.

Please join as panelist link, if any technical issue occurs then join as attendee, host will make you panelist.

Thanks and regards

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Invitation for expert lecture in ICANCT 2022 (SKIT Jaipur)

Tawfik Ismail <tismail@cu.edu.eg> Tue, Jan 18, 2022 at 3:12 PM
To: ICANCT 2022 <icanct2022@skit.ac.in>

Dear Sir,

This is my bio with recent photo. The graphical abstract will send you soon.

Dr. ISMAIL (Senior Member, IEEE) had postdoctoral research in optical and wireless communications with the Technical Institute of microwave and Photonic Engineering, University of Graz, Austria, in 2015. In 2018, he joined the Optical Wireless Communication research group, Department of Engineering and Sciences, University of Oxford, U.K., to work in the research of quantum communication in free space. In addition, he has established and led a research group for optical and wireless communications at Cairo University, Egypt. He is currently the Director of Wireless Intelligent Networks Research Center (WINC), Nile University. He also holds an associate professor position with the National Institute of Laser Enhanced Sciences, Cairo University. Since 2014, he has been with several research projects funded nationally by NTRA, ASRT, STDF, and ITIDA, Egypt, and internationally by InnoveUK, U.K. In addition, he has research stays at the Technical Institute of Microwave and Photonic Engineering, University of Graz; The American University in Cairo, Egypt; Cairo University; and Malaviya National Institute of Technology, India. Dr. ISMAIL is an author or co-author of over 90 publications (Scopus indexed), he maintains an active research agenda in the areas of optical wireless communication, quantum key distribution, millimeter-wave, mobile edge computing, integrated LTE/LTE-M for IoT applications, and tracking system.

Kind Regards,

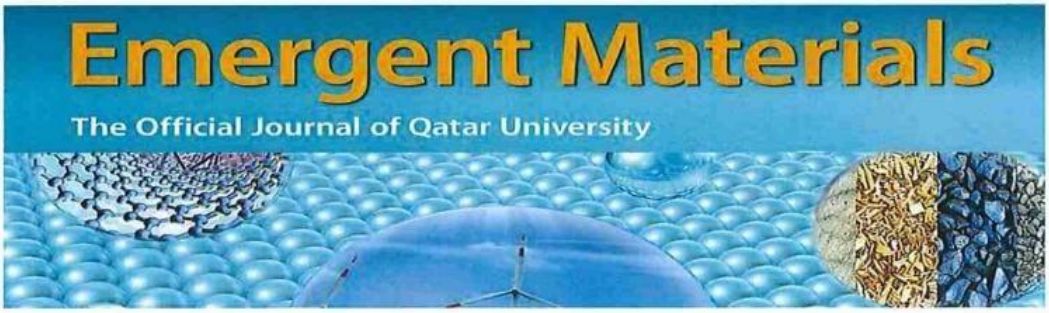
Tawfik Ismail, PhD, SMIEEE

Associate Professor, School of Engineering and Applied Sciences, Nile University, Egypt.

Email: tismail@nu.edu.eg

https://www.scopus.com/authid/detail.uri?authorId=36009912100

Consent from Publication Partner



Greetings!!

On behalf of the ***Emergent Materials Journal, Springer****, we would like to appreciate and extend kind regards towards organizing committee of* ***International Conference on Advancement in Nanoelectronics and Communication Technologies (ICANCT2022) to be held between 24th-26th February, 2022*** *for conferring us with the chance of this gratifying association. We would also like to thanks all the participants for submitting and sharing their significant work & findings. This association has successfully brought together innovative ideas, multidisciplinary sciences and some creative collaborations.*

The organizing committee has done a great job in hosting the International Conference ICANCT 2022 and thank you for the high level, and professional service.

Warm regards,

Dr. Kishor Kumar Sadasivuni,
Managing Editor, Emergent Materials, Springer.
SmartNanoSolutions Group Leader,
http://www.smartnanosolutions.qa/
Center for Advanced Materials,
Building H10, Zone 6, Room E133, Qatar University, Qatar.
M: +97450580237 T: +97444036686
Email: kishorkumars@qu.edu.qa

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---------- Forwarded message ---------
From: **Materials Today Proceedings Editorial** <mtproceedings@elsevier.com>
Date: Mon, Dec 20, 2021, 9:40 PM
Subject: MATPR - Proposal Accepted - ICANCT 2022
To: Dr. Praveen K Jain <praveenjain.spsl@gmail.com>, pkjain@skit.ac.in <pkjain@skit.ac.in>
Cc: Conference Proceedings (ELS) <conferenceproceedings@elsevier.com>

@Erna:

Conference dates: 24-26 Feb 2022

Portal opening earliest: 15 April 2022

Close: 30th June 2022

Dear Dr Jain,

Thank you very much for sending your proposal for a proceedings issue to MT Proceedings. We are pleased to accept your proposal. Please note that publication of your conference proceedings remains conditional upon meeting the requirements set out below.

For all correspondence going forward, please quote the short conference name in the subject line.

Conditions of publication:

We only open the Editorial Manager portal after the conference has concluded (we no longer publish conference proceedings ahead of the conference taking place). Guest editors must also provide:

1. A copy of the conference programme;
2. A list of accepted abstracts.

Copies of these documents should be sent to mtproceedings@elsevier.com with the conference short name in the subject line. Once approved, the portal will be opened according to the initially agreed timeline.

List of Paper Accepted

S. No.	Paper Id	Title of Paper
1	5	A Brief Account of Man, Material and Manufacturing: On The Timeline.
2	6	Implementation of Cognitive Radio Networks for Optimum Spectrum Utilization Through Feed Forward Backpropogation Artificial Neural Network
3	11	Vehicle Antitheft Mechanism Using IOT
4	14	Printable Perovskite Based Solar Cell With Optimum Electrical and Optical Properties
5	19	Color Quantization Using Partition Based Clustering Techniques: A Comparative Study
6	21	A Pentagonal-Shaped Slot Two Port MIMO Antenna for Sub 6 GHz 5G Wireless Applications
7	22	Human Face Recognition and Age Estimation with Machine Learning: A Critical Review and Future Perspective
8	25	Review on Miniaturized Flexible Wearable Antenna with SAR Measurement for Body Area Network
9	26	Wireless EMG Controlled Prosthetic Hand
10	28	A Smart Sensor using MEMS Technology for Artificial Environmental Monitoring
11	30	An Insight of Polymer Based Flexible Patch Antenna for Wireless and IOT Applications
12	32	Key Facial Points Recognition using RESNET
13	33	A Comparative Study of Different Materials used for Solar Photovoltaics Technology
14	35	Estimation of Optimized Window Size for Hybridized KNN-Random Forest Algorithm Based Image Demosaicing
15	36	When UAV and Ad-Hoc NOMA-BS Meets in Disaster: A Scheduling and Mode Selection Approach

16	42	Energy Management System for DC Microgrids
17	44	Impact of Natural Dye from Leaf of Plectranthus Amboinicus on the Recitation of Dye Sensitized Solar Cell
18	45	Thermal Potential Porous Materials and Challenges of Improving Solar Still using Tio2/Jackfruit Peel - Enhanced Energy Storage Material
19	50	Localizing Mobile Nodes in WSNS using Neural Network Algorithm
20	52	Design, Simulation and Analysis of Nanostructures for Low Power Devices
21	56	Dielectric and Ferroelectric Behaviour of MWCNT/Poly Urethane Composite
22	57	Fabrication and Characterization of Homogenous and Functionally Graded Glass Fiber Reinforced Polymer Composites
23	58	Supervised Classification Model for Estimation of Wear in Sisal Fibre-Epoxy Composites
24	60	Supercapacitive Behavior of Polypyrrole Thin Film Prepared by Electrodeposition Technique and Characterization
25	63	Performance Analysis of Saliency Detection in Images
26	66	Giuseppe Peano Fractal Loaded Multiband Antenna using Parasitic Strips for Thz Applications
27	67	Fractal Segmented Lotus Shape Planar Monopole Antenna for Multiband Applications
28	68	Effect of Dielectric Thickness on MgZnO Thin Film Transistor Characteristics
29	71	A 30uw Low Power and High Speed of Hardware Accelerator for Wireless Body Sensor Network (WBSN) in 28nm Stacked Silicon Technology
30	75	A Paper on Microstrip Patch MIMO Antenna for 5G Applications
31	77	Marine Predators Algorithm for Performance Optimization of Nanoscale FINFET

32	78	Applications of Graph Coloring in Various Fields
33	79	Low Pass Filter Using Metamaterial
34	81	A Cavity Model Microwave Patch Antenna For Lubricating Oil Sensor Applications
35	82	Design of Two Element MIMO Antenna for ISM Band Application
36	85	Tailoring the Dielectric Properties of PVDF/PMMA Blends
37	86	Quantum Dot Cellular Automata using A One-Bit Comparator for QCA Gates
38	89	Design of Quaternary MIN and MAX Circuits using Graphene Nanoribbon Field Effect Transistors
39	91	Square Ring Resonator based Refractive Index Plasmonic Sensor
40	96	Product Based Sentiment Analysis Using Logistic Regression
41	97	Optical Gain Analysis and Process Sequence Optimization for the Gaas Based Nanoscale Quantum Well Structure
42	99	Electrical Properties of SnO2 Doped PVDF/PMMA Polymer Blend
43	100	Parametric Data-Driven Optimization Approach on Plasmonic Based Ring Resonator
44	101	A Novel Selection Method Based on LUT For Approximating Adder Circuits.
45	103	Low Power Voltage Differencing Transcondutance Amplifier using Carbon Nano Tube Field Effect Technology.
46	106	Influence of High-K Dielectric Material on the Electrical Performance of A-IGZO Thin Film Transistor
47	107	Effects of Channel Length and Gate Dielectric Material on Electrical Properties of an IGZO TFT

48	108	Efficient Designs of High Speed Combinational Circuits and Optimal Solutions using 45-Degree Cell Orientation in QCA Nanotechnology
49	109	Engineering of Unique Co/Co3O4 Core/Shell Nanostructures for High Performance Supercapacitors
50	114	Investigation of Photocurrent Efficiency of Cs2TiBr6 Double Pervoskite Solar Cell
51	115	Effect of Tiw Blocking Layer and Temperature Annealing on Resistive Switching Parameters of Hafnium Oxide Based CBRAM Device

Objective and Outcome of the event

Objective of the Conference:

- Provide a good learning platform to the students, research scholars and faculty to exchange views and share information with National and International experts who are deeply involved in research in the field of Nanoelectronics and Communication technologies.
- Encompasses latest research outcomes in the form of theoretical models, environmental impact, security and defense technology, innovative designs, enhancements and improvements in existing frameworks, sustainable technological advancement, societal welfare etc.
- Intends to bring together the best minds from around the world to cover literally all aspects of energy technology from a multi-disciplinary perspective
- The scientific event will comprise of key-note talks, oral presentations, and a session for special research outcomes.

Outcomes:

The conference was an initiative to provide a common platform for researchers working in the field of nanotechnology and communication to share knowledge and ideas for technological advancements. The participants were able to understand the need of today to combine different ideas of researchers working in different domains to develop cost-effective and reliable technology for day-to-day life. This conference brought a positive transformation in the participant's attitude about their research work and get them more focused as well as result oriented. Conference provided an ideal environment to develop new collaborations and meet experts on the fundamentals, applications, and products of the mentioned fields.

Technical Report

International Conference on Advancement in Nano-electronics and Communication Technologies (ICANCT-2022) is a three day conference that aims at presenting current researches being carried out in the areas of Communication, Nanoelectronics, Photonics, Wireless Communication, Mobile Communications, Antenna and Wave Propagation, Optical Communication, Image Processing, Internet of Things, Machine Learning, Artificial Intelligence, Embedded System and VLSI technology for scientists, scholars, engineer students from the universities, technologists, entrepreneurs and policymakers all around the World. Thus the conference intends to bring together the best minds from around the World to cover literally all aspects of energy technology from a multi-disciplinary perspective.

The Inaugural ceremony of three day International Conference on Advancements in Nano electronics and Communication Technologies was held in online mode at Swami Keshvanand Institute of Technology, Management & Gramothan Jaipur. The conference was jointly organized by Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur & Institution of Engineers (India), Rajasthan State Center, Jaipur in Association with CSIR-IMMT: InTEC, Bhubaneswar. The inaugural ceremony was graced by the benign presence of the chief guest Dr. Deep Jariwala, Principal Investigator, Device Research and Engineering Laboratory, University of Pennsylvania, Philadelphia, United States, the guest of honour Dr. Kishore Kumar Sadasivuni Professor, Centre for Advanced Materials, Qatar University, Dr. Ayşegül UYGUN ÖKSÜZ, Professor, Suleyman Demirel University, Turkey, Mr. Gunjan Saxena, Chairman, IE(I) Rajasthan state centre and Prof. T. Pavan Kumar, Senior Scientist, CSIR-IMMT.

Dr. S. L. Surana, Director (Academics) welcomed all the guests and briefed the theme of conference. He also emphasized about the importance and relevance of the theme in current scenario. Mr. Gunjan Saxena, highlighted the core objectives of the conference and schemes offered by IE(I). Prof. T Pavan Kumar put light on the initiative of MAITRI program. Dr. Jariwala enlightened the audience with the emerging research and technique in the related field and highlighted that how nanoelectronics is making the life of human being very comfortable and communication technologies is leading the world with ultra-fast data transfer in few milliseconds. Dr. Kishore Kumar Sadasivuni shed light on different type of nanosensors. He discussed about the recent work being done in his lab. He exemplified exhaled breath biomarker for diagnosis of diabetes and wearable skin patch for glucose detection from the sweat. At the end of inaugural ceremony, Dr. Mukesh Arora, Head-ECE proposed the vote of thanks. Dr. Ayşegül presented the design methods of chemical micro-motors. The first session of oral presentation was chaired by Dr. Pooja Sharma, CFUM-UP, University of Minho, CEMMPRE, University of Coimbra, Portugal. Total 10 papers were presented in the first day of this conference. Ms. Gloria Joseph hosted the inaugural session.

Commencement of second day was enthusiastic and informative. On the second day Dr. Ghanshyam Singh, Professor, Department of Electrical and Electronic Engineering, University of Johannesburg, South Africa delivered the expert talk on 6G Communication Systems: Potential key driver and open research challenges. He talked about 6G communication systems basics, performance metrics, and application scenarios. He described the 6G vision in near future and market dynamics. At last he focused on driving factors for 6G industry, Key features and research initiative into 6G Communication. Dr. Praveen Kumar Jain Dy. HOD, ECE SKIT and Dr. Rukhsar Zafar chaired the session under which 10 papers were presented.

After the break Dr. Ankit Goyal, University of Amsterdam, Netherland shared his knowledge on Photophysical properties of Inorganic Perovskite Nanocrystals. He started his expert talk by introducing basics of Bluer PL Emission, Halides, Photoluminescence Quantum Yield (PLQY) and their synthesis methods. He described the PL Spectroscopy, Photoluminescence Quantum Yield measurements of Green emitting large $CsPbBr_3$ nanocrystals and Blue green emitting small sized $CsPbBr_3$ nanocrystals. He also focused on the synthesis process and Micro-Raman-PL Spectroscopy. Lanthanide doping especially Yb^3 in Lead Halide Perovkites are under intense research due to enhanced optical properties like photoluminescence quantum yield >100 % in near-infrared region. It suggests that more Yb could lead to even higher quantum yield. Creation of more defects in the lead halide perovskites during synthesis could lead to higher Yb doping. In the subsequent session of day 2 session was chaired by Dr. Neha Sharma, University Engineering College, Sarguja University, Chhattisgarh, India under which 10 papers were presented.

The last day of the conference was opened up with the much awaiting session of Prof. Tawfik Ismail, Director of WINC Research Center, Nile University, Egypt. Dr. Ismail enlightened about RF/Optical Wireless Telemetry for Active Implantable Neural Platform with Data Compression. Moving along the day, a total of 11 papers presented under the session was chaired by Dr. Manoj Jangid, University of Michigan, United State.

The last session of the conference was quite knowledge enriching and was taken by Dr. Umesh Chand, Scientist II, Institute of Microelectronics, Agency for Science, Technology and Research (A STAR), Singapore who shed light on what is beyond the smart – Advance technologies. He discussed about smart health platform and neural interfaces. He also highlighted the ways to achieve both the miniaturization and diversification.

The last session was chaired by Dr. Amit Singhal, Ulster University, United Kingdom under which total 11 papers were presented.

The valedictory function was graced by benign presence of the honored guests Dr. Umesh Chand Scientist II, Institute of Microelectronics Agency for Science, Technology and Research (A STAR), Singapore. Dr. Chand also congratulated the team-ICANCT 2022 for successfully organizing the conference and highlighted the importance of the theme of ICANCT 2022 in present context.

Prof. Mukesh Arora, Head, ECE (SKIT) welcome the guest and enthused the gathering with his motivational words.

Total six knowledge boosting invited sessions were organized in the conference. The speakers were Dr. Kishore Kumar Sadasivuni, Professor, Center for Advanced Materials, Qatar University Qatar, Dr. Ayşegül Uygun Öksüz Professor, Suleyman Demirel University, Turkey, Dr. Ghanshyam Singh, Professor, Department of Electrical and Electronic Engineering, University of Johannesburg, South Africa, Dr. Ankit Goyal University of Amsterdam, Netherland, Dr. Tawfik Ismail Director of WINC Research Center, Nile University, Egypt and Dr. Umesh Chand Scientist II, Institute of Microelectronics, Agency for Science, Technology and Research (A STAR), Singapore.

Total 52 research papers were presented during this 3 day international conference.

Dr. Praveen K. Jain, Convener, ICANCT 2022 presented a brief report of conference and Mr. Ankit Agarwal, Assistant Professor-SKIT thanked all the participants and experts for the resounding success. He extended thanks to Management of SKIT for their enormous cooperation in the organization of this event. Then he thanked Conveners - Dr. Mukesh Arora, Dr. Praveen Kr. Jain, Co-conveners: Dr. Rukhsar Zafar, Ms. Pooja Choudhary, Mr. Ankit Agarwal, Secretary: Ms. Gloria Jospeh, Mr. Lalit Kr. Lata, Ms. Suman Sharma, Mr. Meeraj Jain, National and International advisory Committee and the technical committee who started rolling the wheels weeks ago.

They have shown that, faith can move mountains. It requires planning and a bird's eye for details. We have been fortunate enough to be backed by a team of very motivated and dedicated colleagues of electronics and communication department, SKIT who know their job and are result oriented.

He emphasized that it was a it was a life-long learning for all participants. The ICANCT 2022 is proved as a great beneficial exposure for the participants as they are enlightened with the most widely used advanced tools, strategies and techniques.

---Thank You-----

List of Participants (Outside SKIT)

S. No.	Participant Name	Institute/Organization	Candidate Type
1	Prince Sharma	Lehigh University, Bethlehem, PA, USA	Research Scholar - PhD
2	Dr. P. C. Gupta	University of Kota, Kota	Faculty
3	Rahul Gupta	University of Kota, Kota	Research Scholar - PhD
4	Namrata Thorve	Pillai HOC College of Engineering and Technology, Rasayani, Maharashtra	Student (B.Tech/M.Tech)
5	Mansi Subhedar	Pillai HOC College of Engineering and Technology, Rasayani, Maharashtra	Student (B.Tech/M.Tech)
6	Mohammad Asif Iqbal	Vivekananda Global University, Jaipur	Research Scholar - PhD
7	Dhiraj Singh	Vivekananda Global University, Jaipur	Research Scholar - PhD
8	Bhuvnesh Sharma	Vivekananda Institute of Technology, Jaipur	Academicians
9	Jayanti Rout	Fakir Mohan University, Odisha	Research Scholar - PhD
10	Minati Mishra	Fakir Mohan University, Odisha	Academicians
11	Kavita	M. D. University, Rohtak	Research Scholar - PhD
12	Rajendra Singh Chhillar	M. D. University, Rohtak	Academicians
13	Utkarsh Pandey	Lovely professional University, Punjab	Research Scholar - PhD
14	Parulpreet Singh	Lovely professional University, Punjab	Professor
15	Narbada Prasad Gupta	Lovely professional University, Punjab	Professor
16	Raghvendra Singh	ECE, Kanpur	Associate Professor
17	Nishant Tripathi	Lovely professional University, Punjab	Research Scholar - PhD
18	SHARMILA B	Murugappa Polytechnic College, Chennai	Academicians
19	E. Seenthil VelMurugan	Murugappa Polytechnic College, Chennai	Academicians
20	G. Gayathri	Murugappa Polytechnic College, Chennai	Academicians
21	Kaustubh Kumar Shukla	Vinayaka Mission's Researcg Foundation, Salem, Tamil Nadu	Research Scholar - PhD
22	Dr. T. Muthumanicham	Vinayaka Mission's Researcg Foundation, Salem, Tamil Nadu	Academicians
23	Sangeeta Shekhawat	Amity University, Rajasthan	Research Scholar - PhD
24	Sudhanshu Singh	Amity University, Rajasthan	Academicians
25	Sanjay Kumar Singh	Amity University, Rajasthan	Academicians
26	Swastik Kumar Sahu	Maulana Azad National Institute of Technology, Bhopal	Student (B.Tech/M.Tech)
27	Ram Narayan Yadav	Maulana Azad National Institute of Technology, Bhopal	Academicians
28	Neha Kumari	Amity University, Rajasthan	Research Scholar - PhD

29	Sanjay Kumar	UIET, Himachal Pradesh University, Shimla	Academicians
30	Gurjot Kaur Walia	IKG Punjab Technical University, Punjab	Research Scholar - PhD
31	Jagroop Singh Sidhu	DAVIET, Jalandhar, Punjab	
32	Sayanti Ghosh	NIT, Durgapur, WB	Research Scholar - PhD
33	Sanjay Dhar Roy	NIT, Durgapur, WB	Academicians
34	Sumit Kundu	NIT, Durgapur, WB	Academicians
35	R B R Prakash	Koneru Lakshmaiah Education Foundation, Vaddeswaram, AP	Academicians
36	V Basavayya	Koneru Lakshmaiah Education Foundation, Vaddeswaram, AP	Academicians
37	A Pandian	Koneru Lakshmaiah Education Foundation, Vaddeswaram, AP	Academicians
38	T Vijay Muni	Koneru Lakshmaiah Education Foundation, Vaddeswaram, AP	Academicians
39	Gottipati Dedeepya	Lakshmaiah Education Foundation, AP	Student (B.Tech/M.Tech)
40	S. Shanmugan	Lakshmaiah Education Foundation, AP	Academicians
41	S. Asha	Lakshmaiah Education Foundation, AP	Student (B.Tech/M.Tech)
42	B. Sanghavi	Lakshmaiah Education Foundation, AP	Academicians
43	C. Stella	Lakshmaiah Education Foundation, AP	Academicians
44	Gagandeep Singh Walia	Lovely Professional University, Phagwara	Research Scholar - PhD
45	Manwinder Singh	Lovely Professional University, Phagwara	Academicians
46	Selvakumar Ganesan		Research Scholar - PhD
47	Mr. Gangadhar Waman Bandewad	Dr. Babasageb Ambedkar Marathawada University Aurangabad, Maharashtra	Academicians
48	Sunil N Pawar	Jawaharlal Nehru Engineering college MGM University, Maharashtra	Academicians
49	Pramod B Shinde	India Meterological Department, Pune, Maharashtra	Academicians
50	Chetan Kamble	Swami Ramanand Teerth Marathwada University, Nanded, Maharashtra	Academicians
51	Amit Chaurasia	Amity University, Rajasthan	Research Scholar - PhD
52	U K Dwivedi	Amity University, Rajasthan	Academicians
53	Ajeet Kumar	Guru Nanak Institutions Technical Campus, Hyderabad	Academicians
54	Dr. Vaishali Yadav	Manipal Univeristy Jaipur	Academicians
55	Preeti Gupta	Amity University, Mumbai	Research Scholar - PhD
56	Ashwani Kumar Yadav	Amity University, Rajasthan	Research Scholar - PhD

57	Jadhav Priti Nana	Gogate Jogalekar College, Ratnagiri, Maharashtra	Research Scholar - PhD
58	Dr. K.V. Sukhatankar	Gogate Jogalekar College, Ratnagiri, Maharashtra	Academicians
59	Dr. B.B. Dhale	Gogate Jogalekar College, Ratnagiri, Maharashtra	Academicians
60	Maram Sreerama Reddy	National Institute of Technology, TN	Student (B.Tech/M.Tech)
61	B. Nithya	National Institute of Technology, TN	Academicians
62	CH Muralikrishna	IIIT, Jabalpur	Research Scholar - PhD
63	N Suguna	VIT University, Vellore	Research Scholar - PhD
64	R Saravanakumar	Saveetha Institute of Medical and Technical Sciences, Chennai	Academicians
65	Alamelu Alias Rajashree S	Sri Ramakrishna Engineering College, Coimbatore	Academicians
66	VLN Phani Ponnapalli	Vikas College of Engineering And Technology, Nunna	Academicians
67	MKV Subbareddy	Vishnu Institute of Technology, Bhimavar	Academicians
68	Saride Jagan Mohan Rao	Ramachandra College of Engineering, Eluru	Academicians
69	Piyush C Dalsania	A.V. Parekh Technical Institute, Rajkot	Academicians
70	Sudharani Chidurala	SR University, Ananthasagar, Warangal	Academicians
71	Puneet Narayan	Govt. Engineering College, Bharatpur	Academicians
72	D Durga Prasad	Vishnu Institute of Technology, Bhimavaram	Academicians
73	C. Periasamy	MNIT, Jaipur	Academicians
74	Lava Bhargava	MNIT, Jaipur	Academicians
75	Swati Mavinkattimath	KLE Dr. M.S Sheshgiri College of Engineering and Technology, Belagavi	Academicians
76	Rajashri Khana	KLE Dr. M.S Sheshgiri College of Engineering and Technology, Belagavi	Academicians
77	Navneet Kaur	Guru Nanak Dev Engineering College, Punjab	Academicians
78	Munish Rattan	Guru Nanak Dev Engineering College, Punjab	Academicians
79	Sandeep Singh Gill	NITTTR, Chandigarh	Academicians
80	Gurpurneet Kaur	Guru Nanak Dev Engineering College, Punjab	Academicians
81	Rajvir Kaur	Guru Nanak Dev Engineering College, Punjab	Academicians

82	Seema Bagora	Shri Vaishnav Vidyapeeth Vishwavidyalavaa, Indore	Academicians
83	SATISH THADANI	Shri Vaishnav Vidyapeeth Vishwavidyalavaa, Indore	Research Scholar - PhD
84	Priyanka Jain	Arya College of Engineering & IT Jaipur	Academicians
85	Manish Jain	Jagannath University, Jaipur	Academicians
86	Kunde Santhosh	MIT Campus, Anna University, Chennai	Research Scholar - PhD
87	A. Bavithra	MIT Campus, Anna University, Chennai	Academicians
88	M. Ganesh Madhan	MIT Campus, Anna University, Chennai	Academicians
89	Farah Deeba	SSJain Subodh PG College, Jaipur	Research Scholar - PhD
90	Ankur Jain	Suresh Gyan Vihar University, Jaipur	Academicians
91	Ankit K Gupta	Agarwal PG College, Jaipur	Academicians
92	Meenal Bafna	Agarwal PG College, Jaipur	Academicians
93	Dr A.Yasmine Begum	Sree Vidyanikethan Engineering College, Tirupati	Academicians
94	M. Balaji	Sree Vidyanikethan Engineering College, Tirupati	Academicians
95	V. Satyanarayana	Sree Vidyanikethan Engineering College, Tirupati	Student (B.Tech/M.Tech)
96	SHAIK JAVID BASHA	Jawaharlal Nehru Technological University, Anantapur, AP	Research Scholar - PhD
97	P. Venkatramana	Jawaharlal Nehru Technological University, Anantapur, AP	Academicians
98	Yazusha Sharma	JECRC, Jaipur	Research Scholar - PhD
99	Vinisha Chandnani	Mody University of Science and Technology, Lakshmangarh	Student (B.Tech/M.Tech)
100	Jaspriya Gujral	Mody University of Science and Technology, Lakshmangarh	Student (B.Tech/M.Tech)
101	Samiksha Gupta	Mody University of Science and Technology, Lakshmangarh	Student (B.Tech/M.Tech)
102	Anand Sharma	Mody University of Science and Technology, Lakshmangarh	Academicians
103	Kulwant Singh	Manipal Univeristy Jaipur	Academicians
104	A. K. Singh	Manipal Univeristy Jaipur	Academicians
105	Amit Rathi	Manipal Univeristy Jaipur	Academicians
106	Ritambhara	JECRC, Jaipur	Research Scholar - PhD
107	Sandeep Vyas	JECRC, Jaipur	Academicians
108	Shashi Kant Sharma	IIIT, Ranchi, Jharkhand	Academicians
109	Renu Kumawat	Manipal Univeristy Jaipur	Academicians
110	Archana Jain	SKIT M&G, Jaipur	Student (B.Tech/M.Tech)

111	Vivek Kumar Jain	Seth Gyaniram Bansidhar Podar College, Nawalgarh, Rajasthan	Academicians
112	Arpita Tiwari	Indore Institute of Science and Technology, Indore	Academicians
113	Mukesh Patidar	Indore Institute of Science and Technology, Indore	Academicians
114	Ankit Jain	Indore Institute of Science and Technology, Indore	Academicians
115	Nilesh Patidar	Shri Baishnav Vidyapeeth, Vishwavidyalaya, Indore	Academicians
116	Namit Gupta	Shri Baishnav Vidyapeeth, Vishwavidyalaya, Indore	Academicians
117	Sumi Kumari	Rajasthan Technical University, Kota	Research Scholar - PhD
118	Deepak Bhatia	Rajasthan Technical University, Kota	Academicians
119	Leela Santi Parige	Koneru Lakshmaiah Education Foundation,Vaddeswaram,Guntur,AP	Research Scholar - PhD
120	Vivek Bhojak	Anand International College of Engineering, Jaipur	Research Scholar - PhD
121	Amit Sharma	S.S.V. College, Hapur, UP	Academicians
122	Umesh Chand	National University of Singapore	Academicians

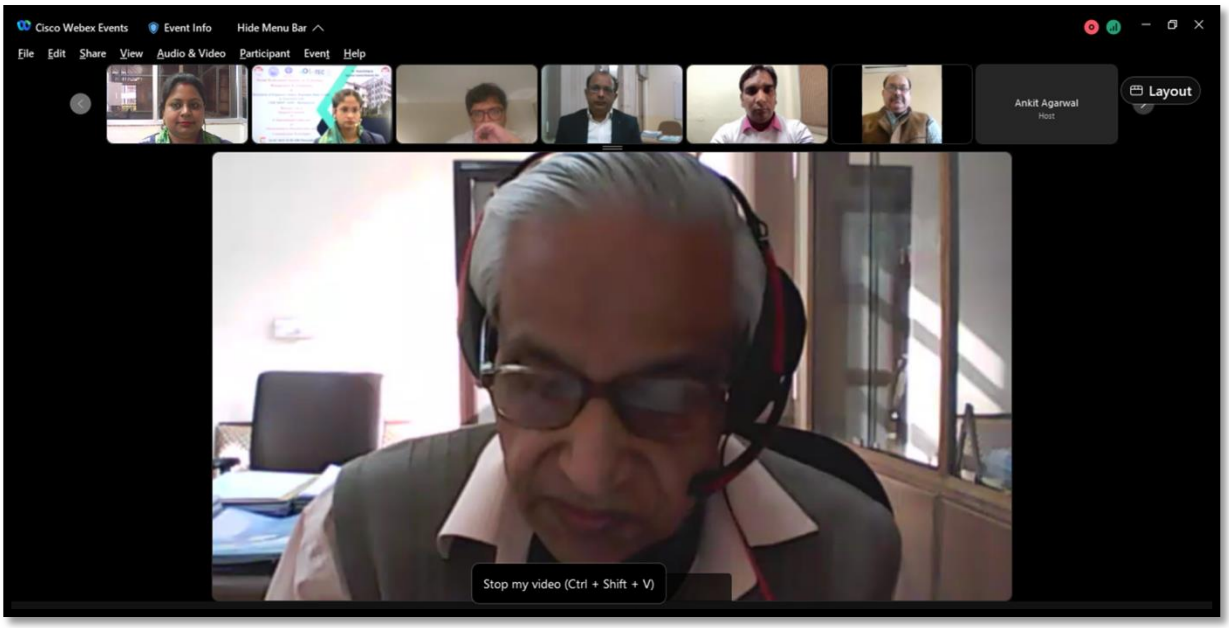
List of Participants (SKIT-Faculty)

S. No.	Participant Name	Department	Institute	Candidate Type	Employee Id
1	Mukesh Arora	ECE	SKIT M&G, Jaipur	Academicians	40
2	Praveen Saraswat	ME	SKIT M&G, Jaipur	Academicians	85
3	Manoj Kumar Sain	ME	SKIT M&G, Jaipur	Academicians	80
4	Manju Choudhary	ECE	SKIT M&G, Jaipur	Academicians	185
5	Pooja Choudhary	ECE	SKIT M&G, Jaipur	Academicians	762
6	Suman Sharma	ECE	SKIT M&G, Jaipur	Academicians	187
7	Shubhi Jain	ECE	SKIT M&G, Jaipur	Academicians	59
8	Harshal Nigam	ECE	SKIT M&G, Jaipur	Academicians	764
9	Jayprakash Vijay	ECE	SKIT M&G, Jaipur	Academicians	132
10	Priyanka Sharma	ECE	SKIT M&G, Jaipur	Academicians	186
11	Rukhsar Zafar	ECE	SKIT M&G, Jaipur	Academicians	147
12	Rahul Pandey	ECE	SKIT M&G, Jaipur	Academicians	809
13	Neeraj Jain	ECE	SKIT M&G, Jaipur	Academicians	183
14	Abhinandan Jain	ECE	SKIT M&G, Jaipur	Academicians	829
15	Sunil Lakhawat	ECE	SKIT M&G, Jaipur	Academicians	182
16	Lalit Kumar Lata	ECE	SKIT M&G, Jaipur	Academicians	130
17	Praveen Kr. Jain	ECE	SKIT M&G, Jaipur	Academicians	107
18	Satish Kr. Bhatnagar	ECE	SKIT M&G, Jaipur	Academicians	171
19	Rajni Idiwal	ECE	SKIT M&G, Jaipur	Academicians	56
20	Pallav Rawal	ECE	SKIT M&G, Jaipur	Academicians	133
21	Gloria Jospeh	ECE	SKIT M&G, Jaipur	Academicians	151
22	Monika Mathur	ECE	SKIT M&G, Jaipur	Academicians	628
23	Kiran Rathi	ECE	SKIT M&G, Jaipur	Academicians	637
24	Vikas Pathak	ECE	SKIT M&G, Jaipur	Academicians	638
25	Ankit Agarwal	ECE	SKIT M&G, Jaipur	Academicians	682
26	Namrata Saxena	ECE	SKIT M&G, Jaipur	Academicians	798
27	Anil Kumar Verma	ECE	SKIT M&G, Jaipur	TA	227
28	Richhpal Singh Ola	ECE	SKIT M&G, Jaipur	TA	228
29	Sushama	ECE	SKIT M&G, Jaipur	TA	233
30	Sunil Kumar Acharya	ECE	SKIT M&G, Jaipur	TA	246
31	Prema Ram	ECE	SKIT M&G, Jaipur	TA	294
32	Dhurendra Singh	ECE	SKIT M&G, Jaipur	TA	1022
33	Kumari Reni	ECE	SKIT M&G, Jaipur	TA	1033
34	Ruchi Mahawar	ECE	SKIT M&G, Jaipur	TA	1037
35	Meenu Pradhan	ECE	SKIT M&G, Jaipur	TA	1038
36	Khemraj Lakhara	ECE	SKIT M&G, Jaipur	TA	1060
37	Suresh Kumar Kumawat	ECE	SKIT M&G, Jaipur	TA	1061

List of Participants (SKIT-Student)

S. No.	Participant Name	Department	Institute/Organization	Candidate Type
1	Jyoti Yadav	ECE	SKIT M&G, Jaipur	Student (B.Tech/M.Tech)
2	Uma rathore	ECE	SKIT M&G, Jaipur	Student (B.Tech/M.Tech)

Screenshots of the Event

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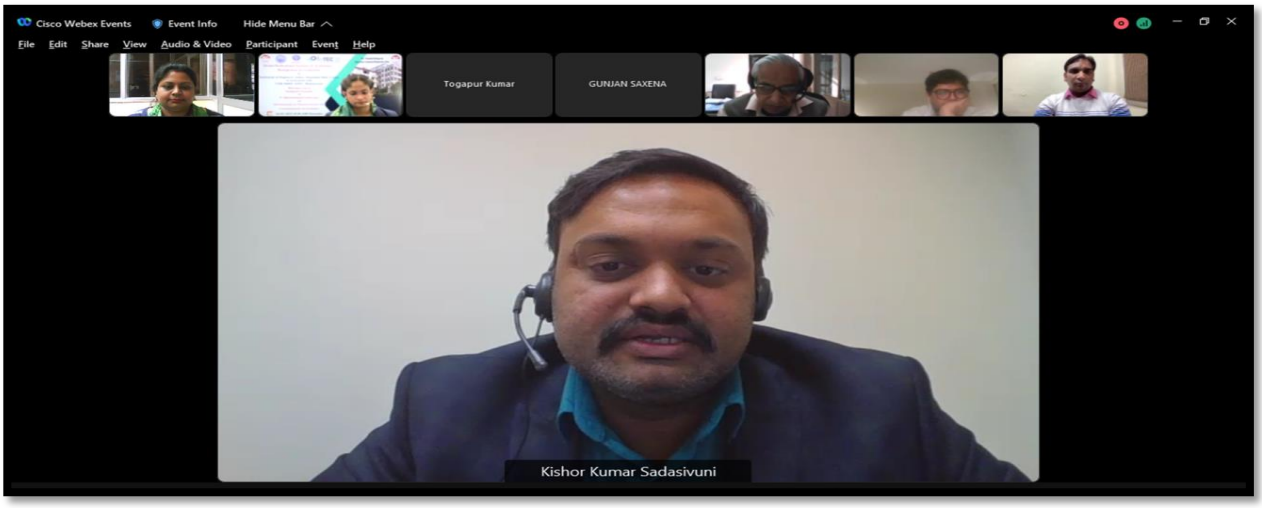
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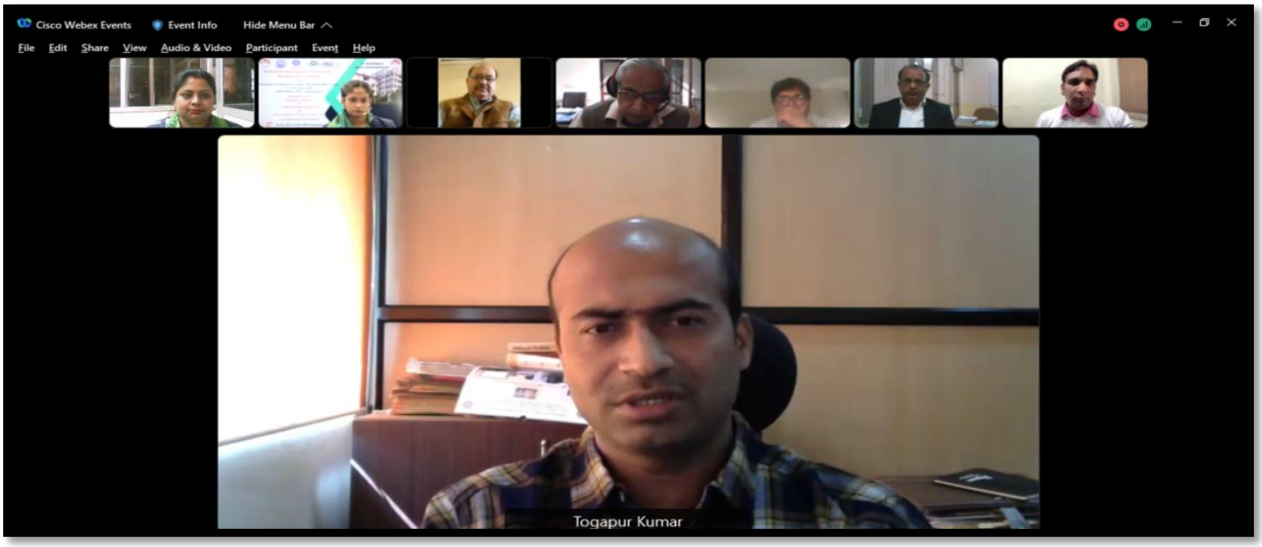
Togapur Kumar
GUNJAN SAXENA
Kishor Kumar Sadasivuni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Togapur Kumar


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Togapur Kumar
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Deep Jariwala


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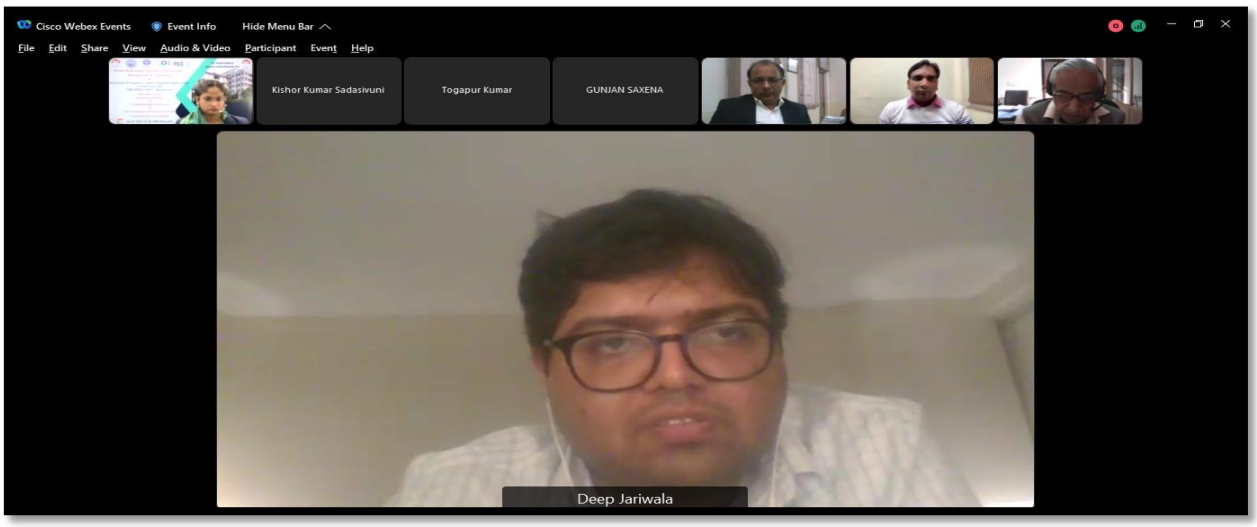
Deep Jariwala
Togapur Kumar
InTEC
No. 1 Ranked College by
Rajasthan Technical University, Kota
Swami Keshvanand Institute of Technology,
Management & Gramothan
&
Institution of Engineers (India), Rajasthan State Center
in Association with
CSIR-IMMT: InTEC, Bhubaneswar
Welcomes you in
Inaugural Ceremony
of
3rd International Conference
on
Advancements in Nanoelectronics and
Communication Technologies
24-02-2022 (9:30 AM
Gloria Joseph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Togapur Kumar
GUNJAN SAXENA
Deep Jariwala


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Togapur Kumar
Layout
Dr Mukesh Arora


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Dr Mukesh Arora


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Togapur Kumar
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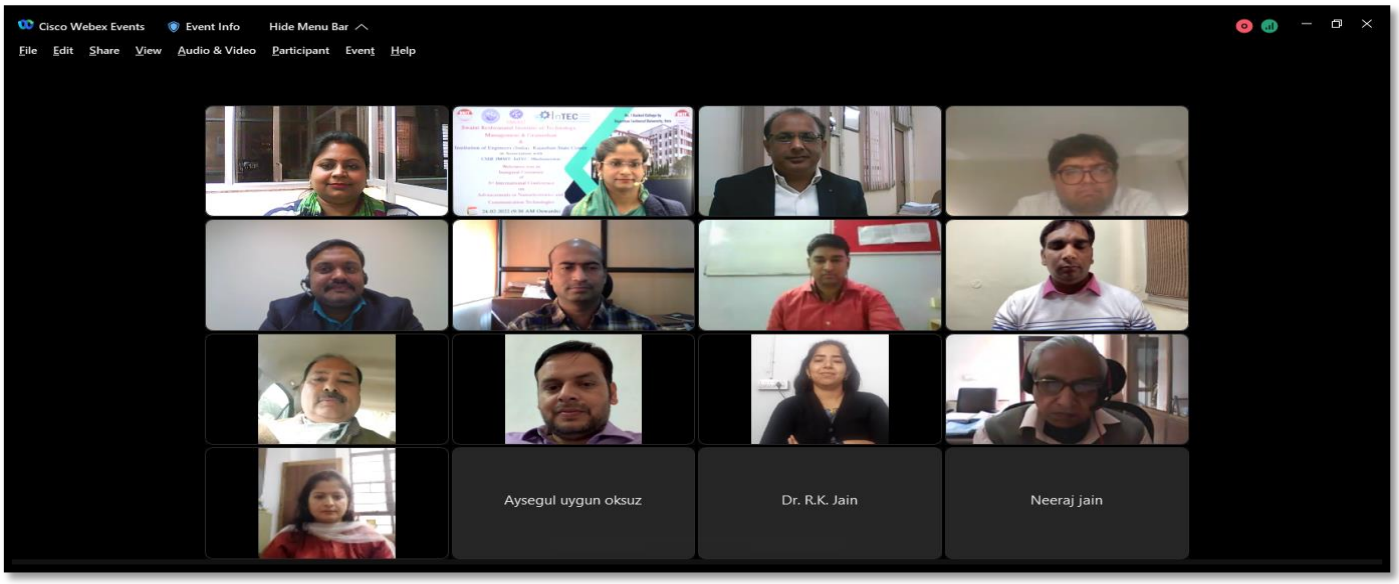
Dr Mukesh Arora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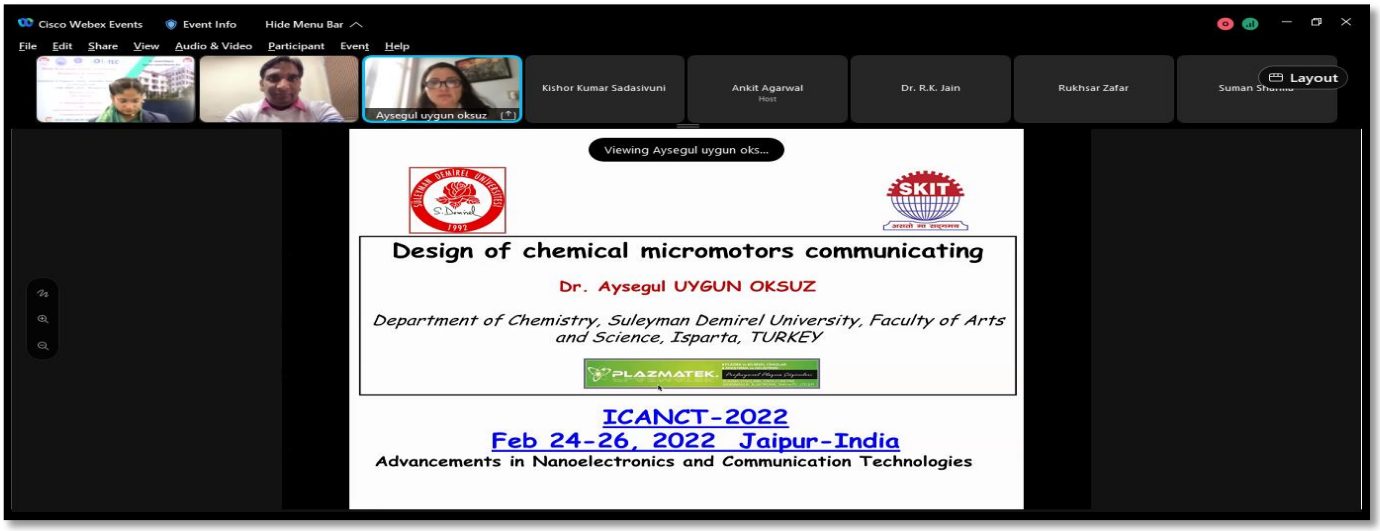
Aysegul uygun oksuz
Dr. R.K. Jain
Neeraj jain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Ankit Agarwal
Host
Dr. R.K. Jain
Rukhsar Zafar
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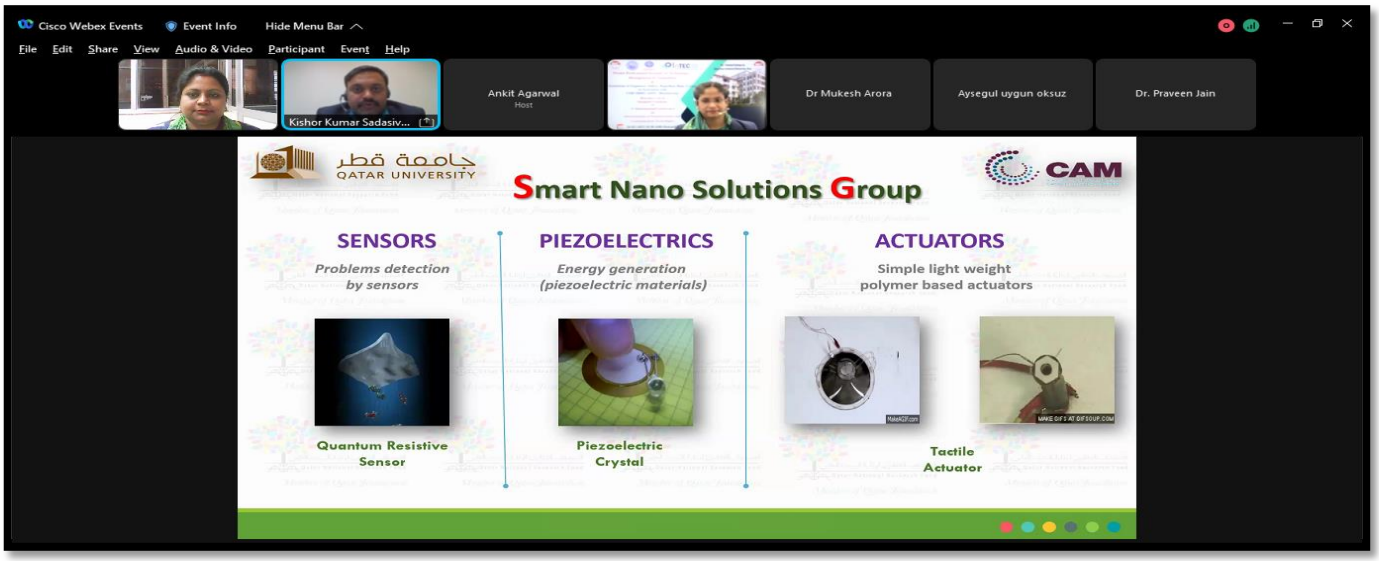
Viewing Aysegul uygun oks...
Design of chemical micromotors communicating
Dr. Aysegul UYGUN OKSUZ
Department of Chemistry, Suleyman Demirel University, Faculty of Arts and Science, Isparta, TURKEY
PLAZMATEK
ICANCT-2022
Feb 24-26, 2022 Jaipur-India
Advancements in Nanoelectronics and Communication Technologies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Ankit Agarwal
Host
Dr Mukesh Arora
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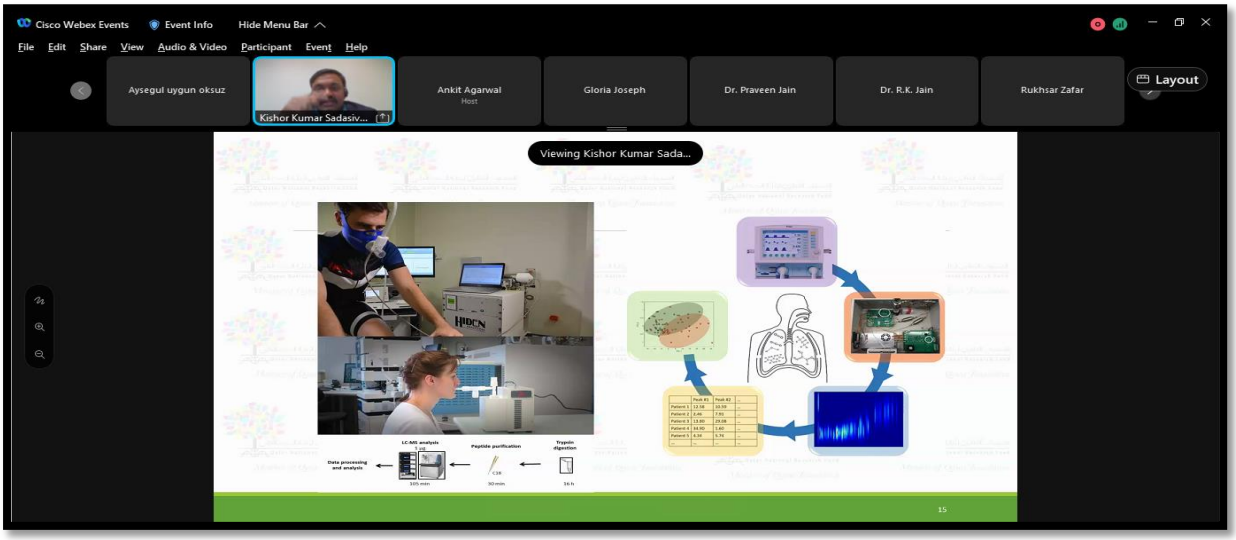
Dr. Praveen Jain
QATAR UNIVERSITY
Smart Nano Solutions Group
CAM
SENSORS
Problems detection by sensors
PIEZOELECTRICS
Energy generation (piezoelectric materials)
ACTUATORS
Simple light weight polymer based actuators
Quantum Resistive Sensor
Piezoelectric Crystal
Tactile Actuator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Ankit Agarwal
Host
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250USD
The KMnO4 solution was used to determine the acetone content We have used 300μM concentration of KMnO4 as a solution with 0.5M NaOH solution.
Time (sec)
Concentration (ppm)
Concentration of Acetone (PPM)
Data from proposed device
Data from Ketoscan
Person 1
Person 2
Person 3
Person 4
Person 5


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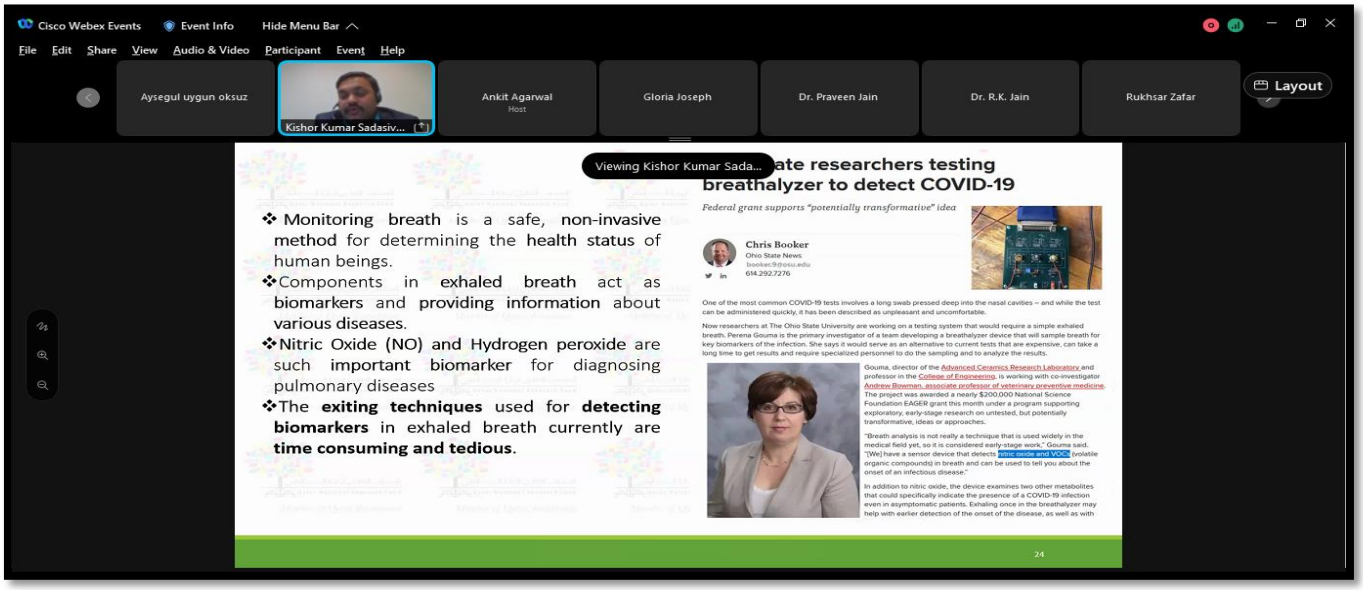
CORONAVIRUS DISEASE
Body oxidative stress, Reactive Oxygen Species H_2O_2 and NO (COVID-19)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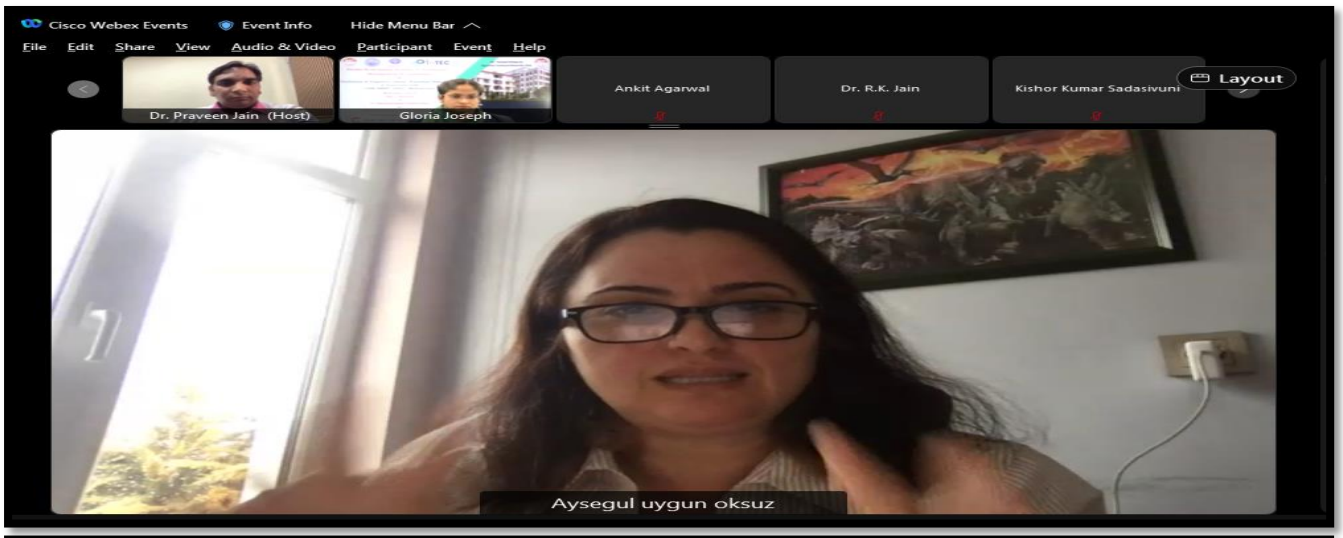
Kishor Kumar Sadasiv...
Ankit Agarwal
Host
Gloria Joseph
Dr. Praveen Jain
Dr. R.K. Jain
Rukhsar Zafar
Layout
Viewing Kishor Kumar Sada...
❖ Monitoring breath is a safe, non-invasive method for determining the health status of human beings.
❖Components in exhaled breath act as biomarkers and providing information about various diseases.
❖Nitric Oxide (NO) and Hydrogen peroxide are such important biomarker for diagnosing pulmonary diseases
❖The exiting techniques used for detecting biomarkers in exhaled breath currently are time consuming and tedious.
ate researchers testing breathalyzer to detect COVID-19
Federal grant supports "potentially transformative" idea
Chris Booker
Ohio State News
614.2927276
24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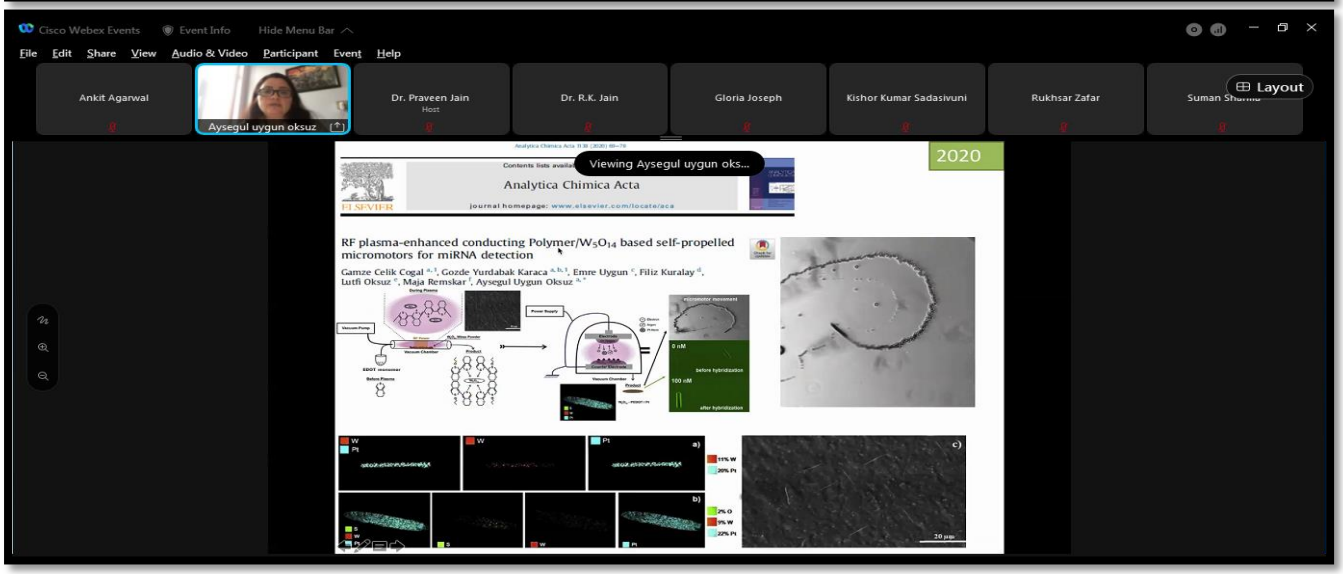
Gloria Joseph
Ankit Agarwal
Dr. R.K. Jain
Kishor Kumar Sadasivuni
Layout
Aysegul uygun oksuz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Aysegul uygun oksuz
Dr. Praveen Jain
Host
Dr. R.K. Jain
Gloria Joseph
Kishor Kumar Sadasivuni
Rukhsar Zafar
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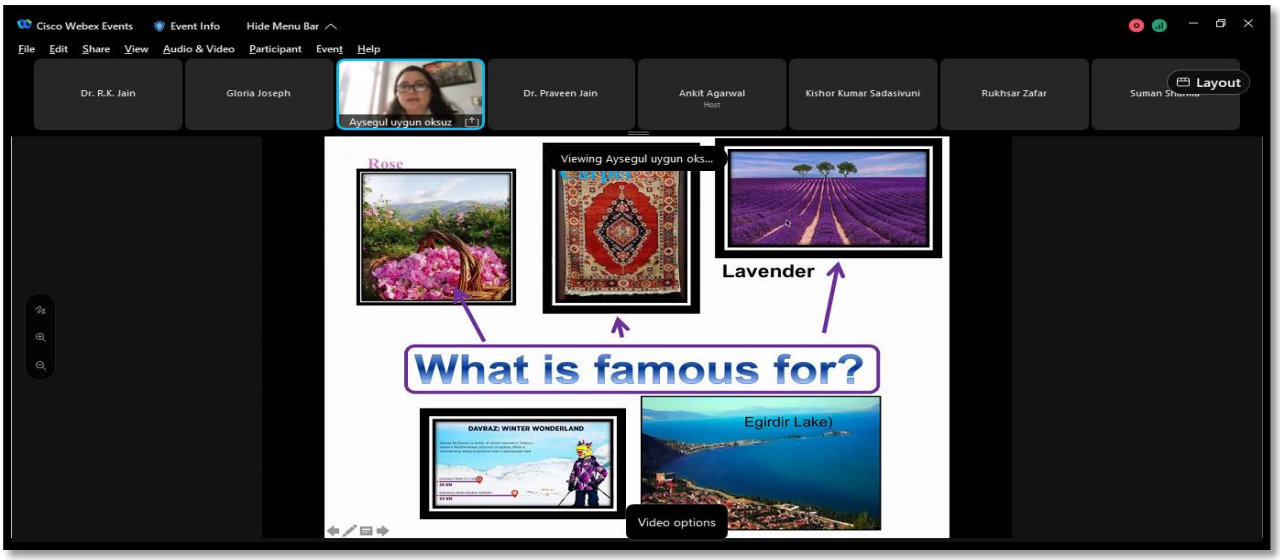
2020
Analytica Chimica Acta
journal homepage: www.elsevier.com/locate/aca
RF plasma-enhanced conducting Polymer/W5O14 based self-propelled micromotors for miRNA detection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Dr. R.K. Jain
Gloria Joseph
Aysegul uygun oksuz
Dr. Praveen Jain
Ankit Agarwal
Host
Kishor Kumar Sadasivuni
Rukhsar Zafar
Layout
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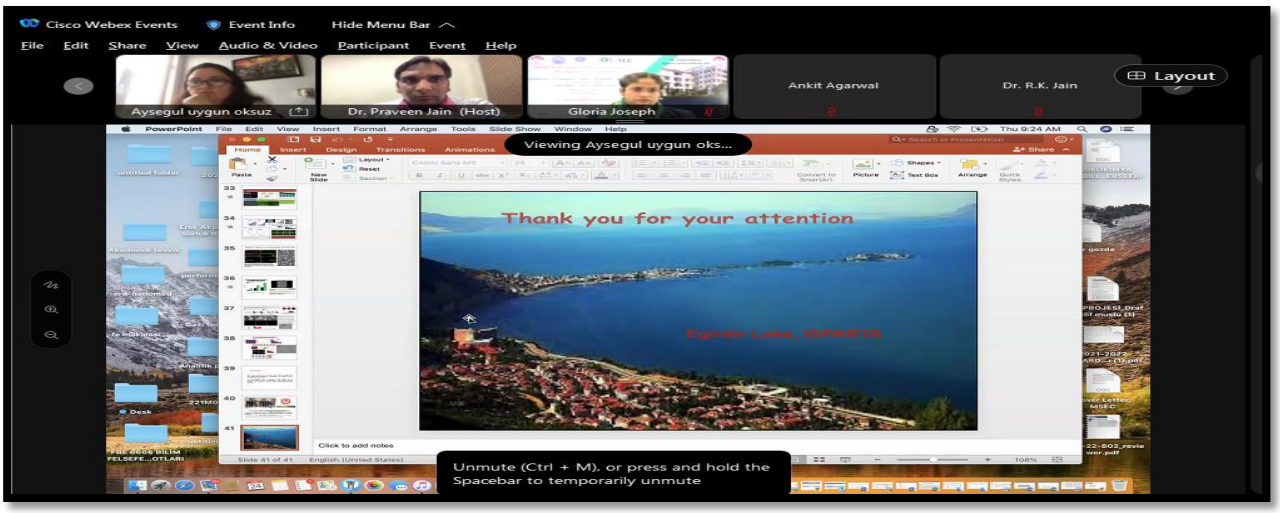
Rose
Lavender
What is famous for?
DAVRAZ: WINTER WONDERLAND
Egirdir Lake)
Video options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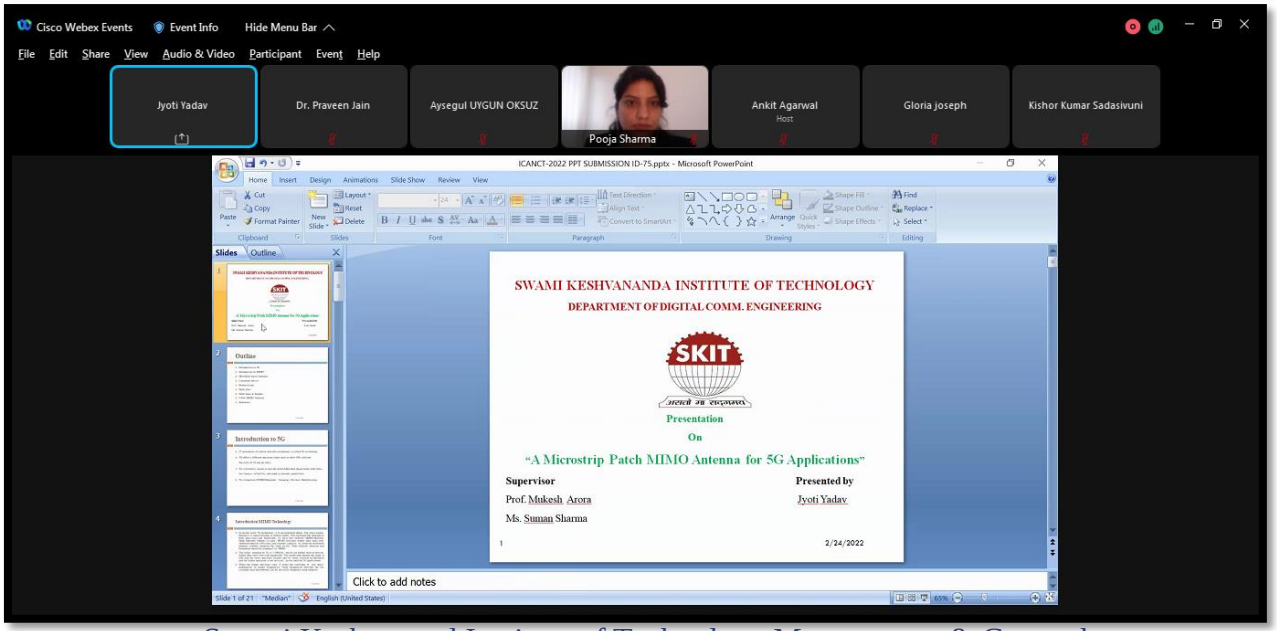
Aysegul uygun oksuz
Dr. Praveen Jain (Host)
Gloria Joseph
Ankit Agarwal
Dr. R.K. Jain
Layout
Viewing Aysegul uygun oks...
Thank you for your attention
Egirdir Lake, ISPARTA
Unmute (Ctrl + M), or press and hold the Spacebar to temporarily unmute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Jyoti Yadav
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Aysegul UYGUN OKSUZ
Pooja Sharma
Ankit Agarwal
Host
Gloria joseph
Kishor Kumar Sadasivuni
ICANCT-2022 PPT SUBMISSION ID-75.pptx - Microsoft PowerPoint
SWAMI KESHVANANDA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF DIGITAL COMM. ENGINEERING
SKIT
Presentation
On
"A Microstrip Patch MIMO Antenna for 5G Applications"
Supervisor
Prof. Mukesh Arora
Ms. Suman Sharma
Presented by
Jyoti Yadav
2/24/2022
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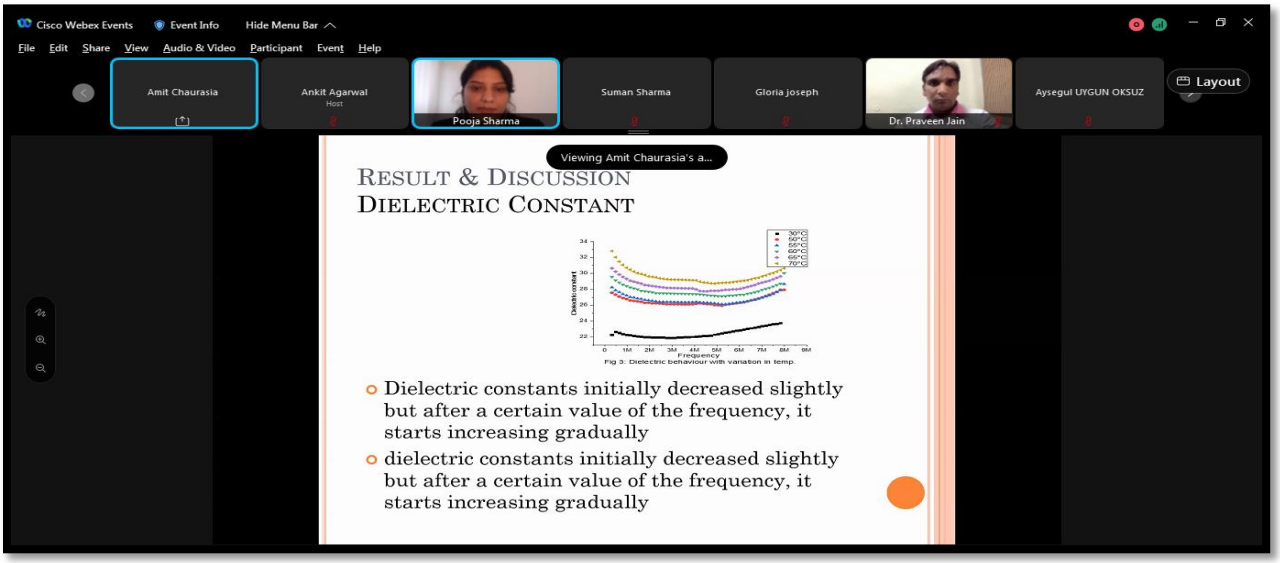
Pooja Sharma
Ankit Agarwal
Host
Suman Sharma
Aysegul UYGUN OKSUZ
Gloria Joseph
Layout
Viewing Amit Chaurasia's a...
RESULT & DISCUSSION
I-V CHARACTERISTICS
Drive Voltage
In leakage current behavior we observe that the current was 2.53*10-10A and 6.53*10-10A respectively. This kink represents the polarization switching near the coercive field and the dominant effect of displacement current over the leakage current.
More options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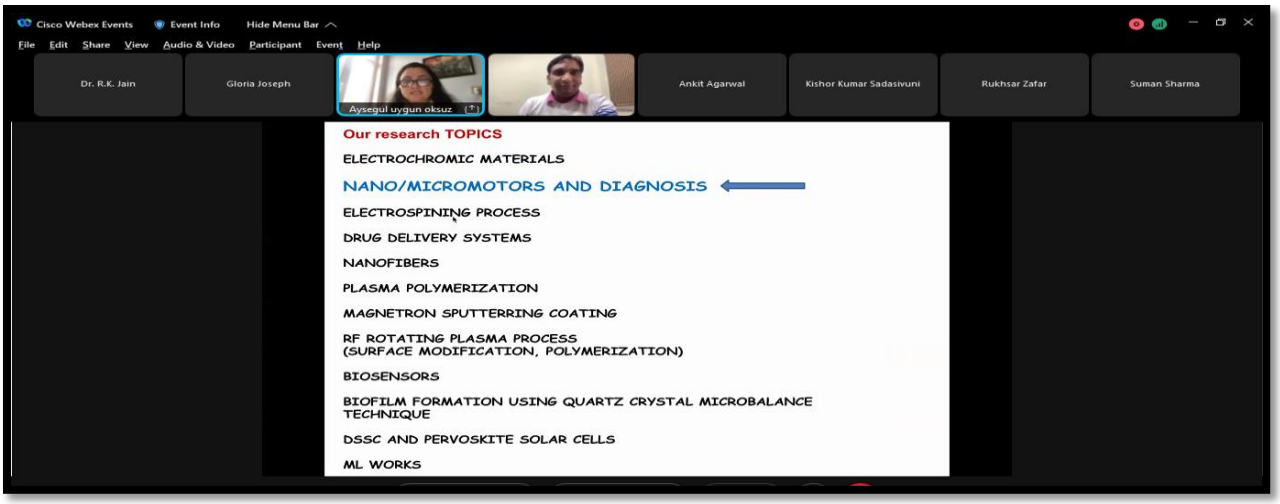
Ankit Agarwal
Host
Pooja Sharma
Suman Sharma
Gloria joseph
Dr. Praveen Jain
Aysegul UYGUN OKSUZ
Layout
Viewing Amit Chaurasia's a...
RESULT & DISCUSSION
DIELECTRIC CONSTANT
Frequency
Fig 3: Dielectric behaviour with variation in temp.
Dielectric constants initially decreased slightly but after a certain value of the frequency, it starts increasing gradually
dielectric constants initially decreased slightly but after a certain value of the frequency, it starts increasing gradually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Gloria Joseph
Aysegul uygun oksuz
Ankit Agarwal
Kishor Kumar Sadasivuni
Rukhsar Zafar
Suman Sharma
Our research TOPICS
ELECTROCHROMIC MATERIALS
NANO/MICROMOTORS AND DIAGNOSIS
ELECTROSPINING PROCESS
DRUG DELIVERY SYSTEMS
NANOFIBERS
PLASMA POLYMERIZATION
MAGNETRON SPUTTERRING COATING
RF ROTATING PLASMA PROCESS
(SURFACE MODIFICATION, POLYMERIZATION)
BIOSENSORS
BIOFILM FORMATION USING QUARTZ CRYSTAL MICROBALANCE TECHNIQUE
DSSC AND PERVOSKITE SOLAR CELLS
ML WORKS


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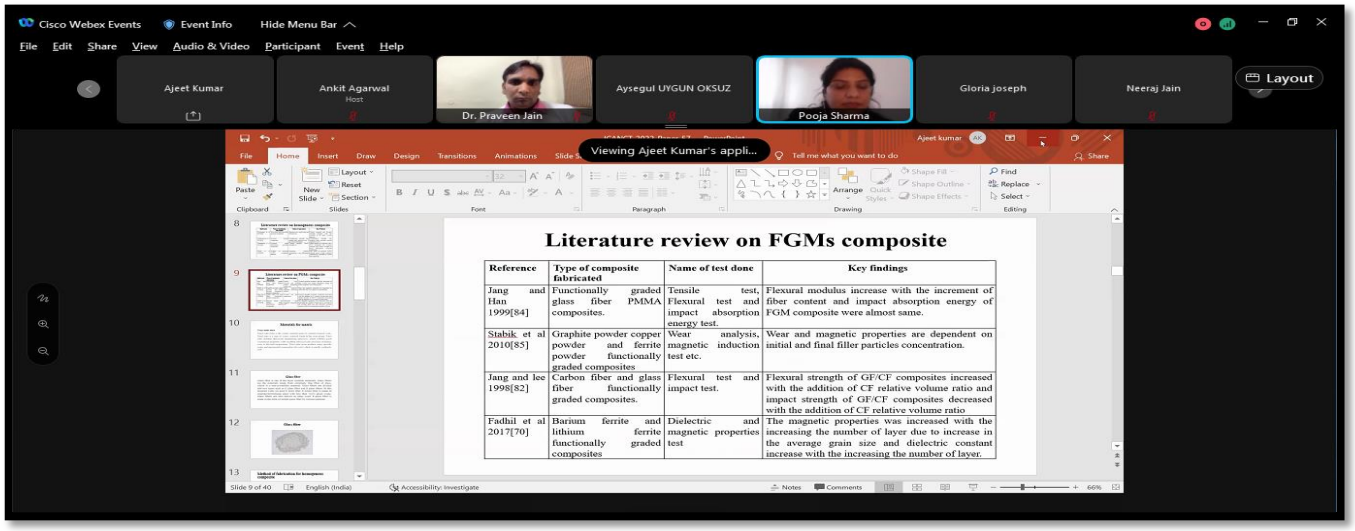
Ankit Agarwal
Host
Results
17
2-MIMO Antenna provides overall gain 9.22dBi with efficiency about 70% at 38 GHz. S11Parameter is about -18.10db and VSWR of both antennas is 1.28.
[Parametric Plot]
VSWR1 (1) : 1.2839754
VSWR2 (1) : 1.2853143
VSWR1 (1)
VSWR2 (1)
Frequency / GHz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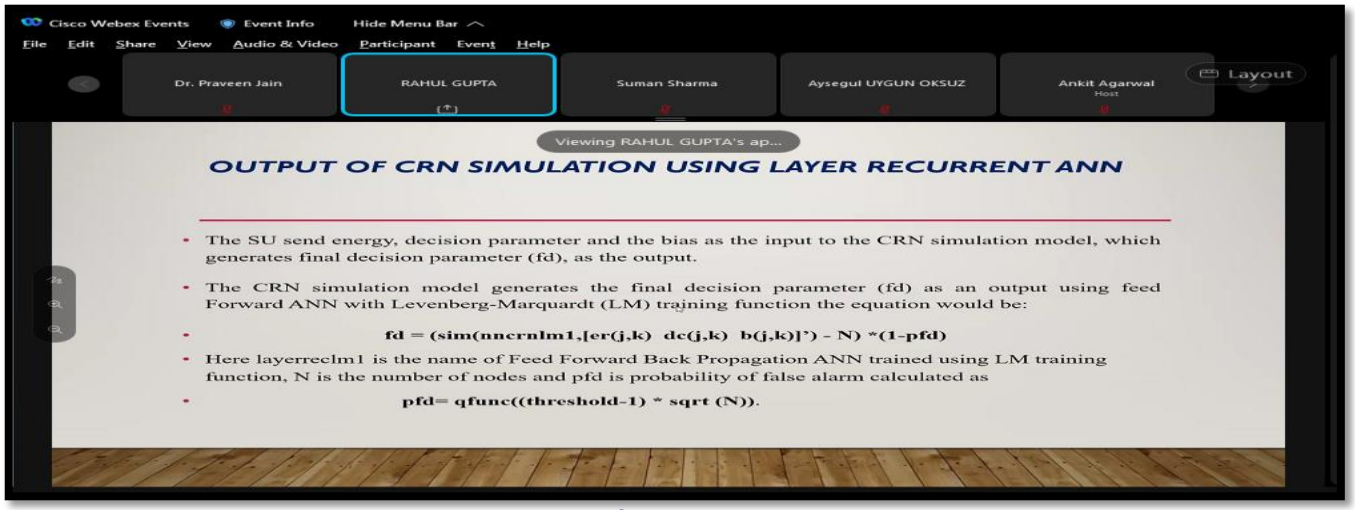
Gloria joseph
Neeraj Jain
Layout
Viewing Ajeet Kumar's appli...
Literature review on FGMs composite
Reference
Type of composite fabricated
Name of test done
Key findings
Jang and Han 1999[84]
Functionally graded glass fiber PMMA composites.
Tensile test, Flexural test and impact absorption energy test.
Flexural modulus increase with the increment of fiber content and impact absorption energy of FGM composite were almost same.
Stabik et al 2010[85]
Graphite powder copper powder and ferrite powder functionally graded composites
Wear analysis, magnetic induction test etc.
Wear and magnetic properties are dependent on initial and final filler particles concentration.
Jang and lee 1998[82]
Carbon fiber and glass fiber functionally graded composites.
Flexural test and impact test.
Flexural strength of GF/CF composites increased with the addition of CF relative volume ratio and impact strength of GF/CF composites decreased with the addition of CF relative volume ratio
Fadhil et al 2017[70]
Barium ferrite and lithium ferrite functionally graded composites
Dielectric and magnetic properties test
The magnetic properties was increased with the increasing the number of layer due to increase in the average grain size and dielectric constant increase with the increasing the number of layer.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RAHUL GUPTA
Suman Sharma
Aysegul UYGUN OKSUZ
Ankit Agarwal
Host
Layout
Viewing RAHUL GUPTA's ap...
OUTPUT OF CRN SIMULATION USING LAYER RECURRENT ANN
The SU send energy, decision parameter and the bias as the input to the CRN simulation model, which generates final decision parameter (fd), as the output.
The CRN simulation model generates the final decision parameter (fd) as an output using feed Forward ANN with Levenberg-Marquardt (LM) training function the equation would be:
fd = (sim(nncrnlm1,[er(j,k) dc(j,k) b(j,k)]') - N) *(1-pfd)
Here layerreclm1 is the name of Feed Forward Back Propagation ANN trained using LM training function, N is the number of nodes and pfd is probability of false alarm calculated as
pfd= qfunc((threshold-1) * sqrt (N)).


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Ankit Agarwal
Host
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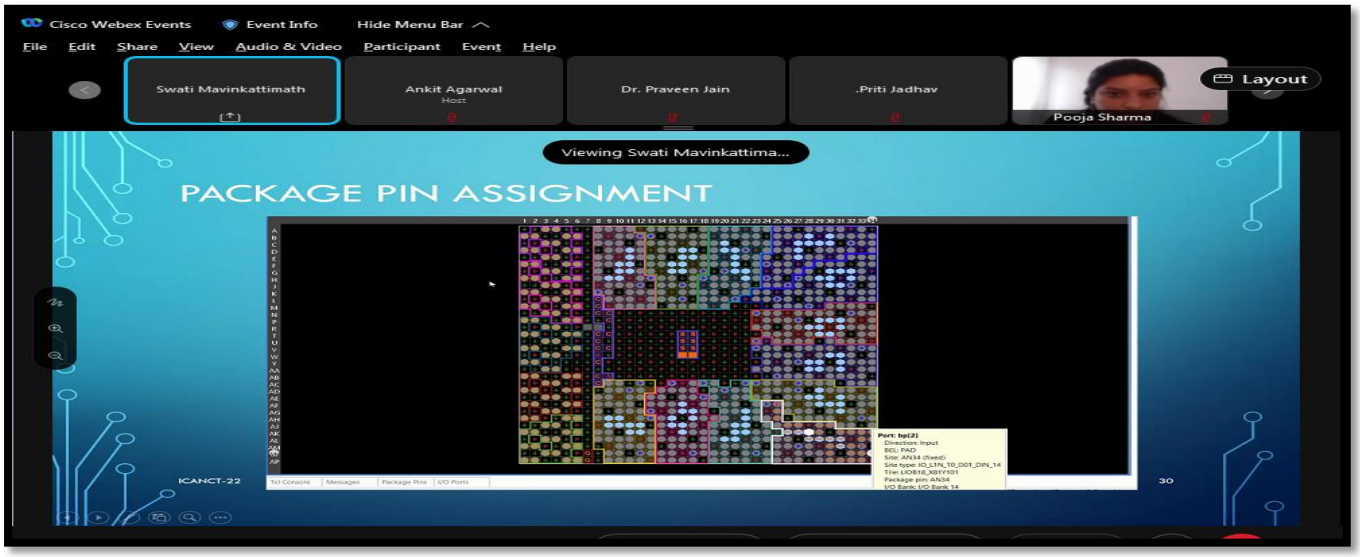
RAHUL GUPTA
Pooja Sharma
International Conference
on Advancements in Nano electronics and
Communication Technologies (ICANCT2022)
Paper Id : 57
Title: Fabrication and characterization of homogenous and functionally graded glass fiber reinforced polymer composites
Authors: Manoj Kumar Sain, Praveen Saraswat, Ajeet Kumar, Anandmohan Vemula
Presented By:
Ajeet Kumar
Assistant Professor
Guru nanak Institutions Technical campus, Hyderabad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Swati Mavinkattimath
Ankit Agarwal
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.Priti Jadhav
Pooja Sharma
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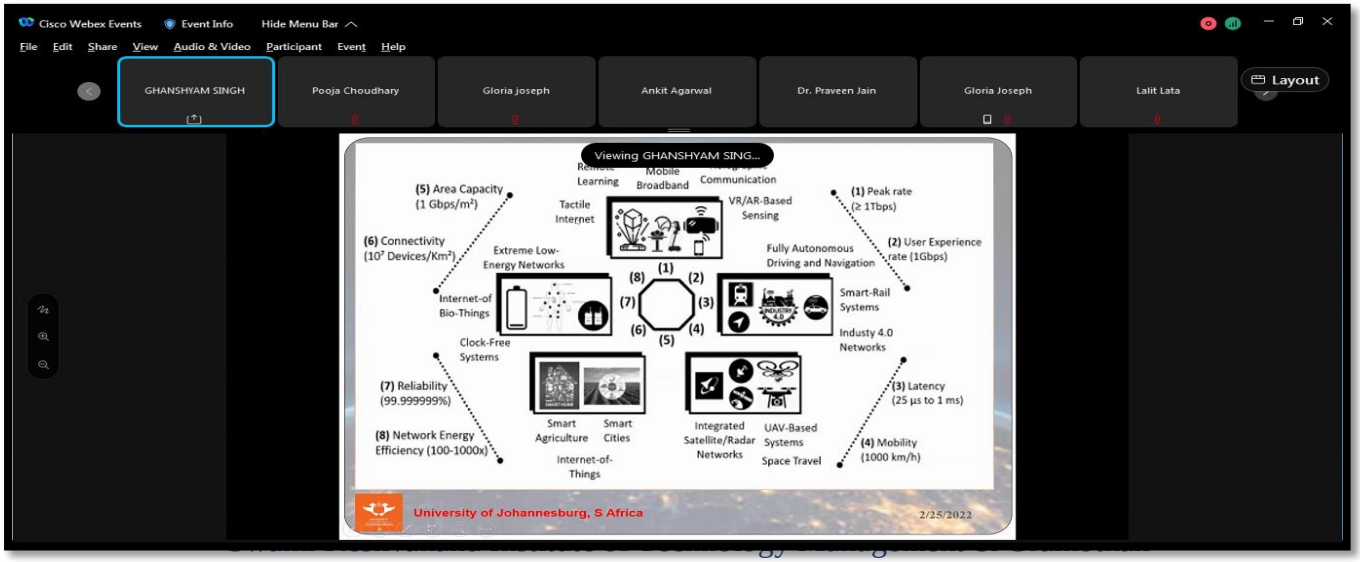
Viewing Swati Mavinkattima...
PACKAGE PIN ASSIGNMENT
ICANCT-22
30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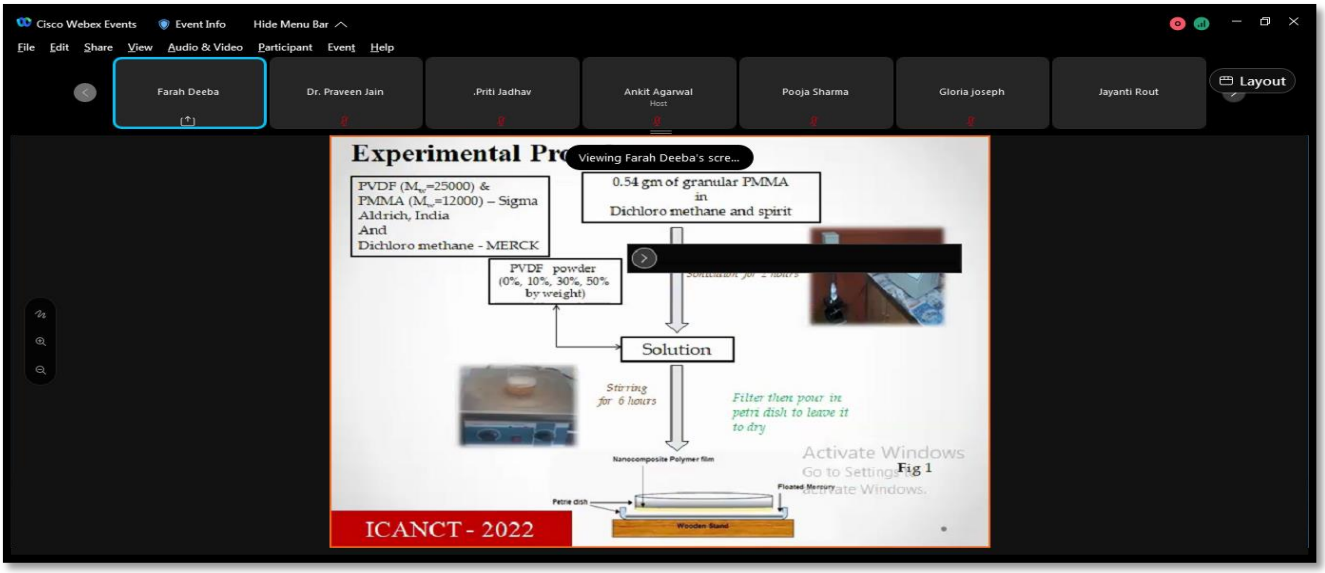
GHANSHYAM SINGH
Pooja Choudhary
Gloria joseph
Ankit Agarwal
Dr. Praveen Jain
Gloria Joseph
Lalit Lata
Layout
Viewing GHANSHYAM SING...
(5) Area Capacity (1 Gbps/m²)
Tactile Internet
Mobile Broadband
VR/AR-Based Sensing
(1) Peak rate (≥ 1Tbps)
(6) Connectivity (10⁷ Devices/Km²)
Extreme Low-Energy Networks
Fully Autonomous Driving and Navigation
(2) User Experience rate (1Gbps)
Internet-of Bio-Things
Smart-Rail Systems
Clock-Free Systems
Industry 4.0 Networks
(7) Reliability (99.999999%)
(3) Latency (25 µs to 1 ms)
(8) Network Energy Efficiency (100-1000x)
Smart Agriculture
Smart Cities
Internet-of-Things
Integrated Satellite/Radar Networks
UAV-Based Systems
Space Travel
(4) Mobility (1000 km/h)
University of Johannesburg, S Africa
2/25/2022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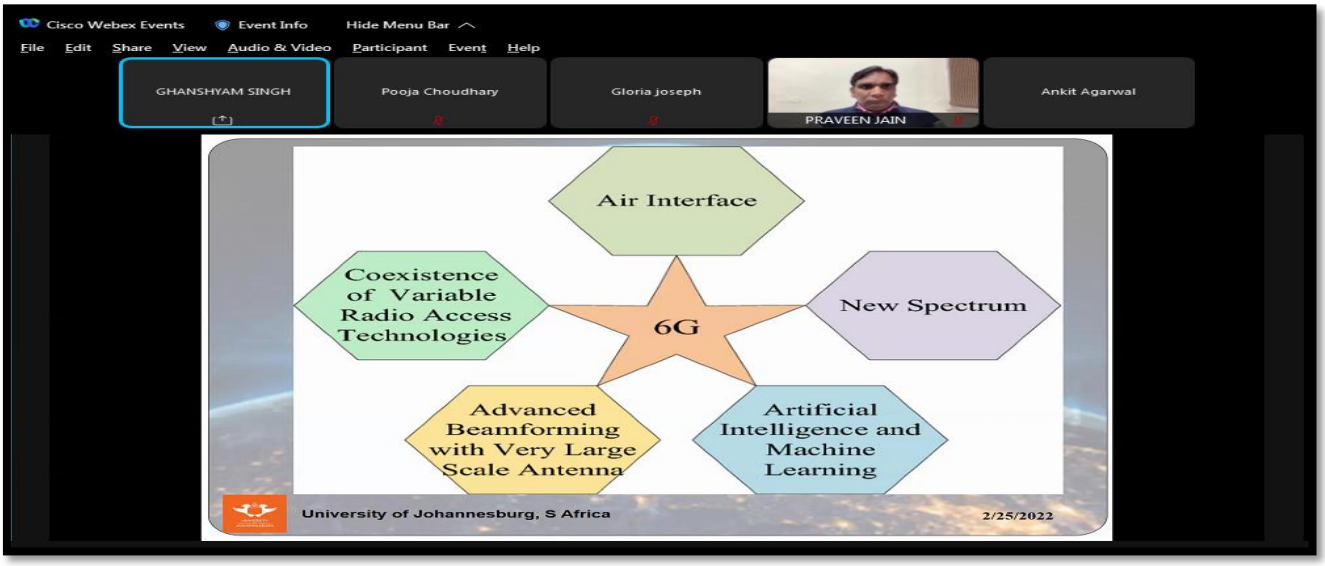
Farah Deeba
Dr. Praveen Jain
.Priti Jadhav
Ankit Agarwal
Host
Pooja Sharma
Gloria joseph
Jayanti Rout
Layout
Experimental Pr
Viewing Farah Deeba's scre...
PVDF (M_w=25000) & PMMA (M_w=12000) – Sigma Aldrich, India And Dichloro methane - MERCK
0.54 gm of granular PMMA in Dichloro methane and spirit
PVDF powder (0%, 10%, 30%, 50% by weight)
Solution
Stirring for 6 hours
Filter then pour in petri dish to leave it to dry
Nanocomposite Polymer film
Petrie dish
Floated Mercury
Wooden Stand
ICANCT - 2022
Activate Windows
Go to Settings to activate Windows.
Fig 1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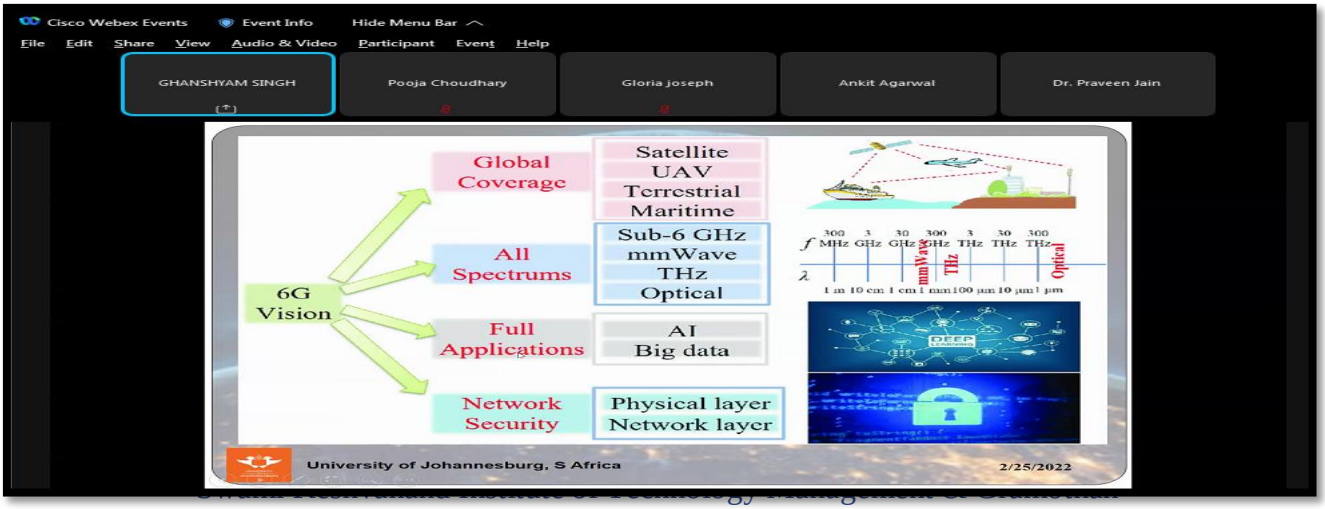
GHANSHYAM SINGH
Pooja Choudhary
Gloria joseph
PRAVEEN JAIN
Ankit Agarwal
Air Interface
Coexistence of Variable Radio Access Technologies
6G
New Spectrum
Advanced Beamforming with Very Large Scale Antenna
Artificial Intelligence and Machine Learning
University of Johannesburg, S Africa
2/25/2022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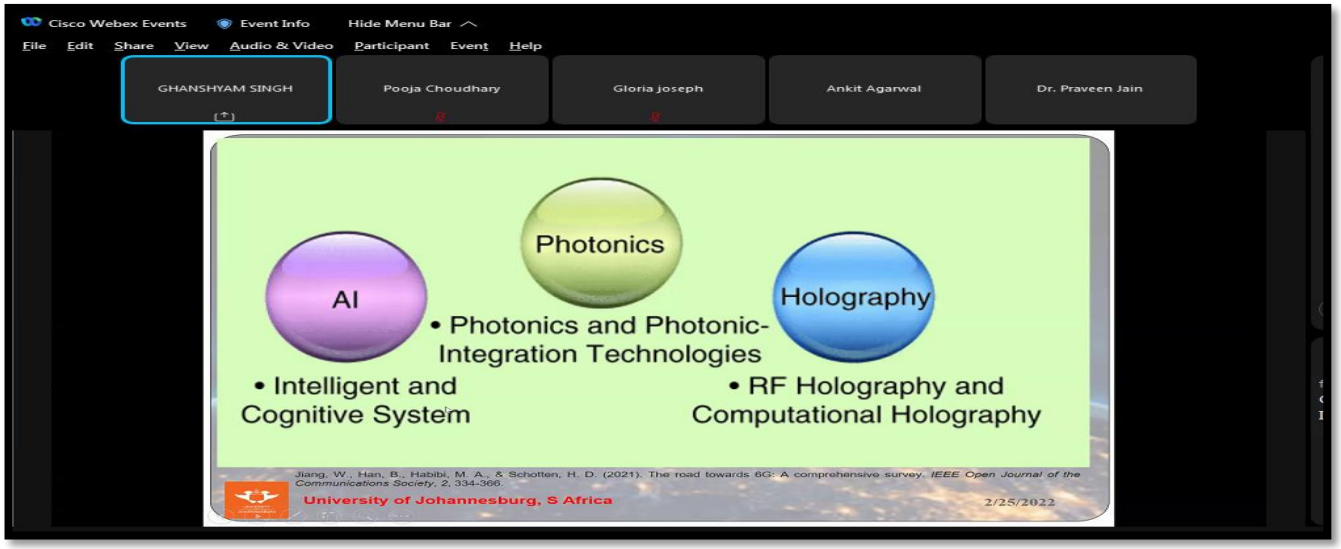
Pooja Choudhary
Gloria joseph
Ankit Agarwal
Dr. Praveen Jain
6G Vision
Global Coverage
Satellite
UAV
Terrestrial
Maritime
All Spectrums
Sub-6 GHz
mmWave
THz
Optical
Full Applications
AI
Big data
Network Security
Physical layer
Network layer
mmWave
THz
Optical
University of Johannesburg, S Africa
2/25/2022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GHANSHYAM SINGH
Pooja Choudhary
Gloria joseph
Ankit Agarwal
Dr. Praveen Jain
Photonics
AI
Holography
• Photonics and Photonic-Integration Technologies
• Intelligent and Cognitive System
• RF Holography and Computational Holography
Jiang, W., Han, B., Habibi, M. A., & Schotten, H. D. (2021). The road towards 6G: A comprehensive survey. IEEE Open Journal of the Communications Society, 2, 334-366.
University of Johannesburg, S Africa
2/25/2022


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Pooja Choudhary
Gloria joseph
PRAVEEN JAIN
Ankit Agarwal
Layout
Viewing GHANSHYAM SING...
Conclusions
✓During the worldwide deployment of 5G networks, industrial and academia synergy have commenced to conceptualize the next generation of wireless communication systems (6G) to address the coming challenges of the drastic increase in wireless data traffic.
✓6G technology allows bitrates of up to Tbps with a latency less than 1 ms, apart from introducing a group of new services.
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2/25/2022


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Layout
Viewing GHANSHYAM SING...
Key Features of
• Extremely Large Bandwidth/Multiband Ultrafast Speed
✓THz Waves (0.1 to 10THz)
✓Visible Light Communication
• Energy-Efficient Communication
✓Energy harvest from ambient RF signal
✓Energy harvest from micro-vibration
✓Energy harvest from Sun Light
✓Energy harvest from wireless Power Charger
University of Johannesburg, S Africa
2/25/2022


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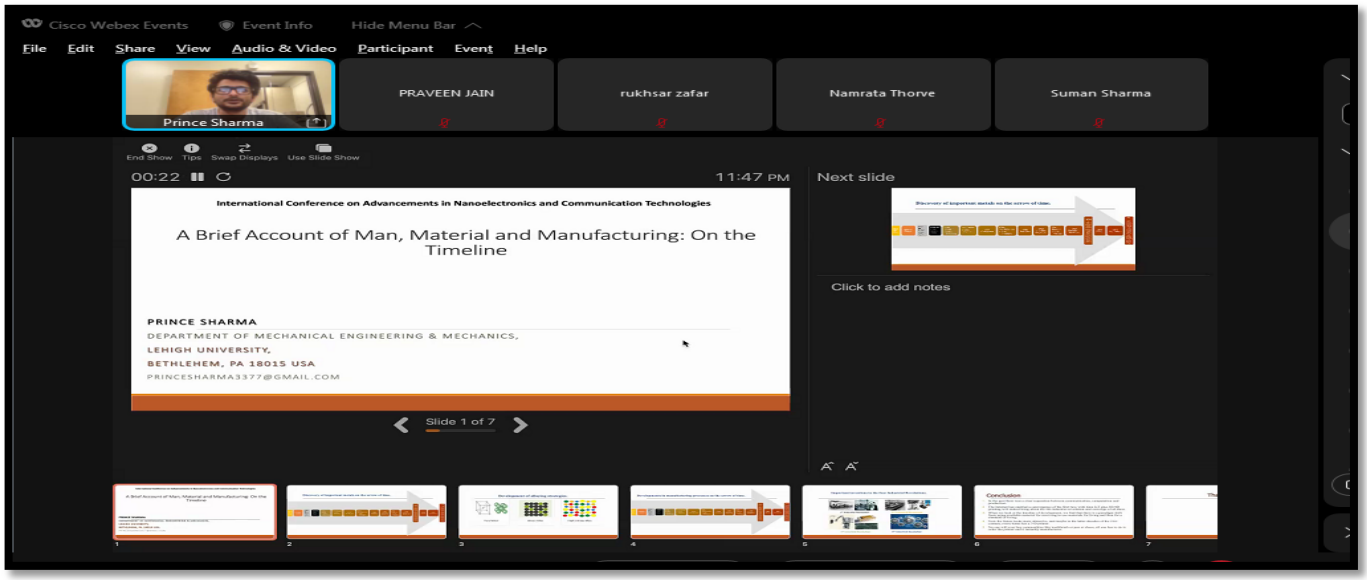
Gloria joseph
GHANSHYAM SINGH
Pooja Choudhary
Gloria Joseph
Ankit Agarwal
Layout
PRAVEEN JAIN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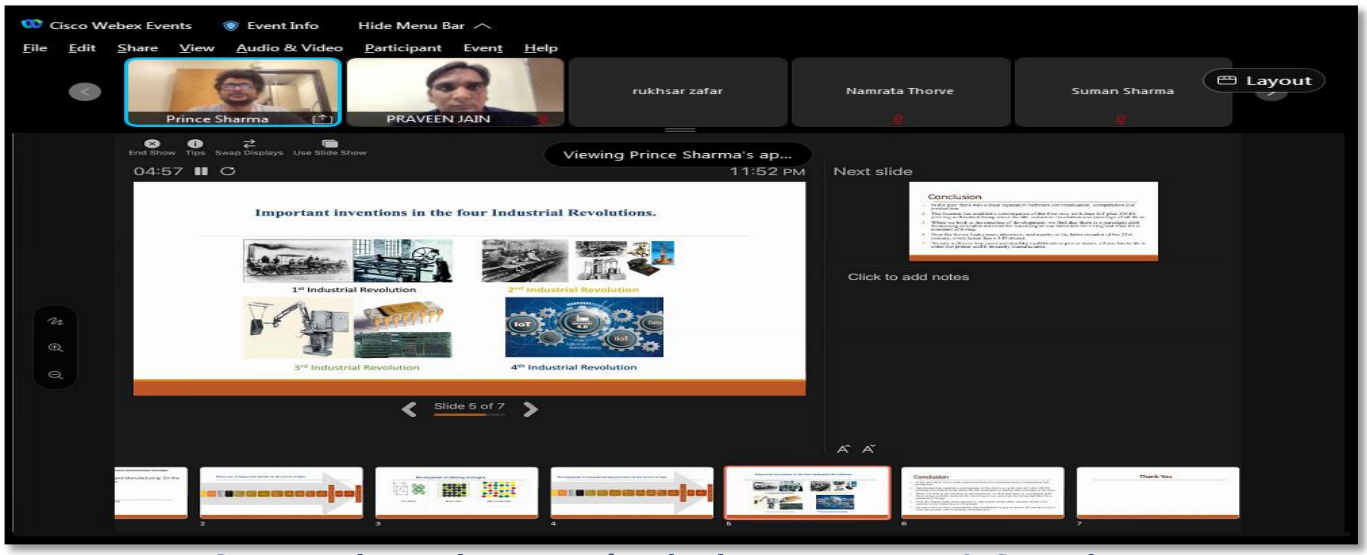
Prince Sharma
PRAVEEN JAIN
rukhsar zafar
Namrata Thorve
Suman Sharma
End Show Tips Swap Displays Use Slide Show
00:22
11:47 PM
Next slide
International Conference on Advancements in Nanoelectronics and Communication Technologies
A Brief Account of Man, Material and Manufacturing: On the Timeline
PRINCE SHARMA
DEPARTMENT OF MECHANICAL ENGINEERING & MECHANICS,
LEHIGH UNIVERSITY,
BETHLEHEM, PA 18015 USA
PRINCESHARMA3377@GMAIL.COM
Slide 1 of 7
Click to add notes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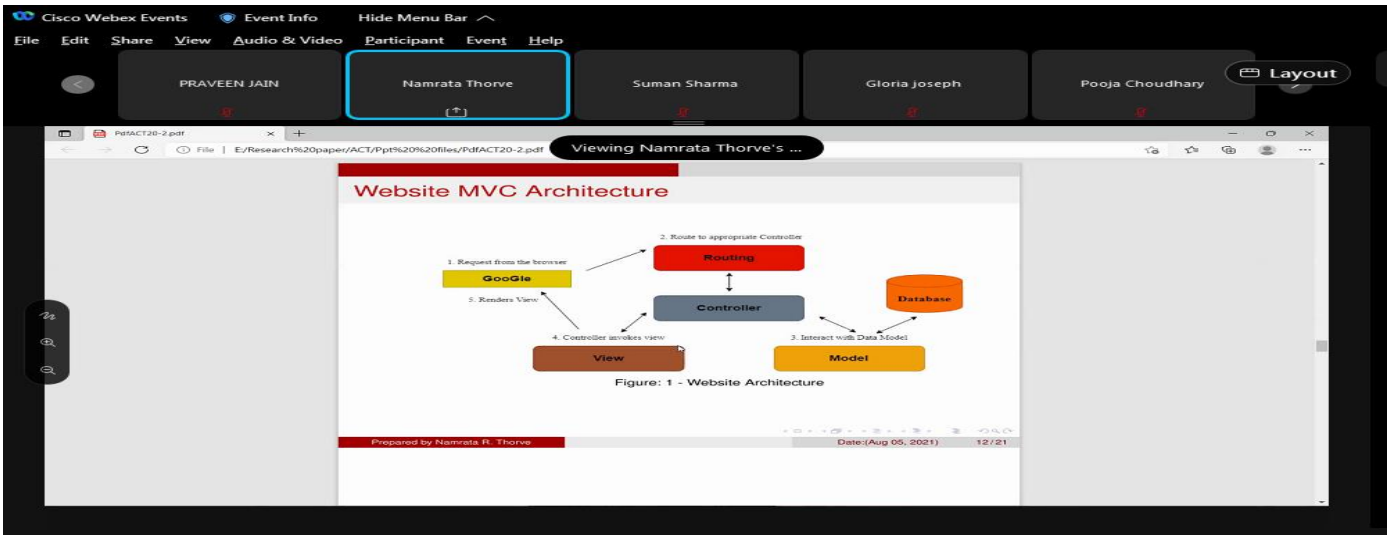
Prince Sharma
PRAVEEN JAIN
rukhsar zafar
Namrata Thorve
Suman Sharma
Layout
End Show Tips Swap Displays Use Slide Show
Viewing Prince Sharma's ap...
04:57
11:52 PM
Next slide
Important inventions in the four Industrial Revolutions.
1st Industrial Revolution
2nd Industrial Revolution
3rd Industrial Revolution
4th Industrial Revolution
Slide 5 of 7
Click to add notes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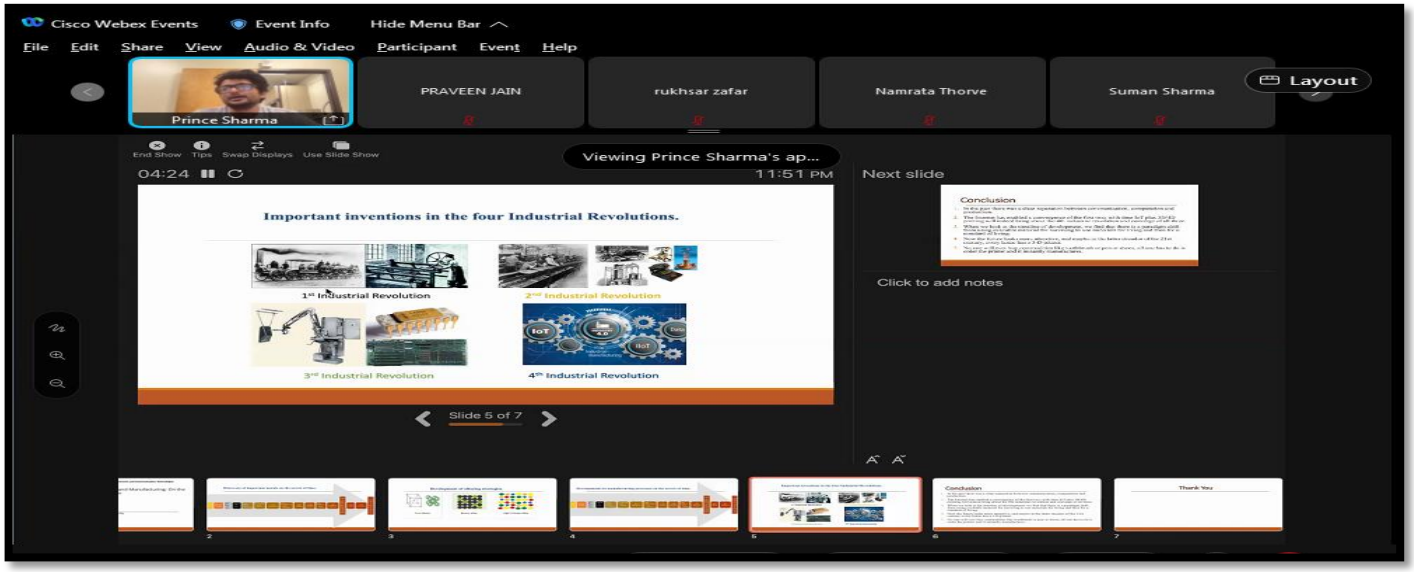
PRAVEEN JAIN
Namrata Thorve
Suman Sharma
Gloria joseph
Pooja Choudhary
Layout
Viewing Namrata Thorve's ...
Website MVC Architecture
1. Request from the browser
GooGle
2. Route to appropriate Controller
Routing
Controller
Database
3. Interact with Data Model
4. Controller invokes view
View
Model
5. Renders View
Figure: 1 - Website Architecture
Prepared by Namrata R. Thorve
Date:(Aug 05, 2021)
12/21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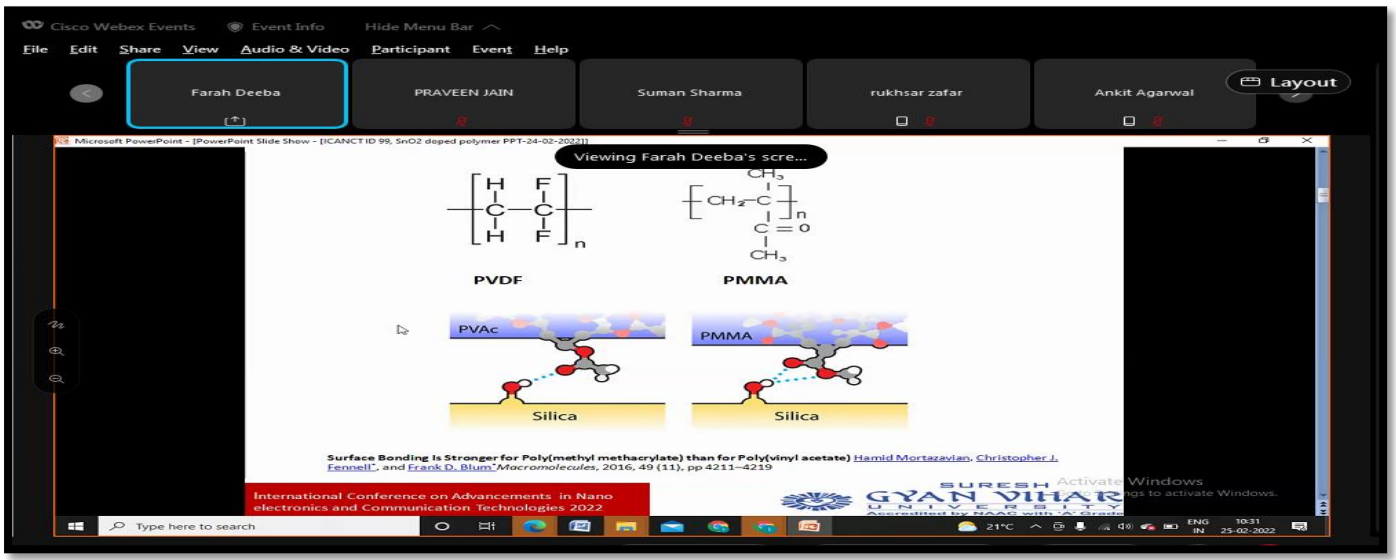
Prince Sharma
PRAVEEN JAIN
rukhsar zafar
Namrata Thorve
Suman Sharma
Layout
Viewing Prince Sharma's ap...
04:24
11:51 PM
Next slide
Important inventions in the four Industrial Revolutions.
1st Industrial Revolution
2nd Industrial Revolution
3rd Industrial Revolution
4th Industrial Revolution
Slide 5 of 7
Click to add notes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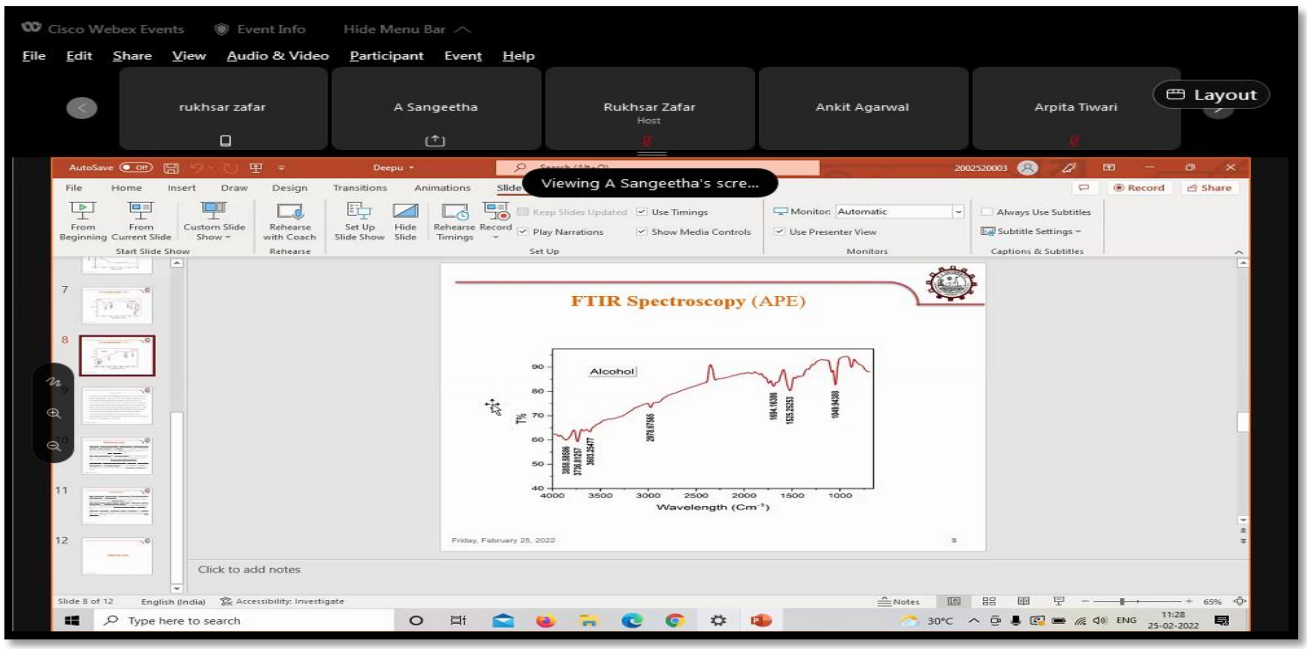
Farah Deeba
PRAVEEN JAIN
Suman Sharma
rukhsar zafar
Ankit Agarwal
Layout
Viewing Farah Deeba's scre...
PVDF
PMMA
PVAc
Silica
PMMA
Silica
Surface Bonding Is Stronger for Poly(methyl methacrylate) than for Poly(vinyl acetate) Hamid Mortazavian, Christopher J. Fennell*, and Frank D. Blum*Macromolecules, 2016, 49 (11), pp 4211−4219
International Conference on Advancements in Nano electronics and Communication Technologies 2022
SURESH GYAN VIHAR UNIVERSITY
Type here to search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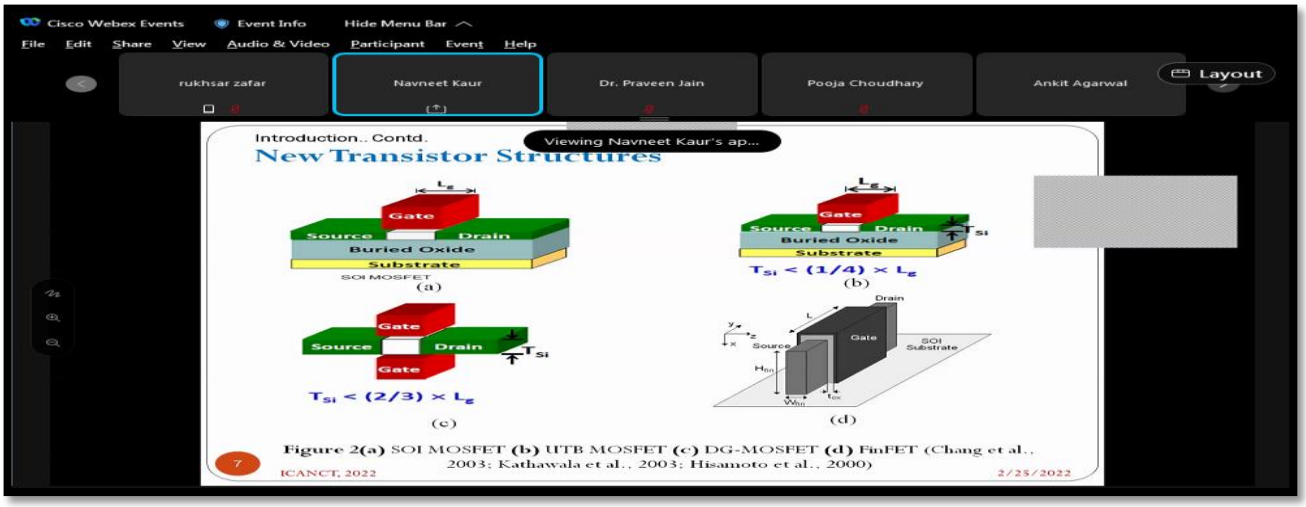
rukhsar zafar
A Sangeetha
Rukhsar Zafar
Host
Ankit Agarwal
Arpita Tiwari
Layout
Viewing A Sangeetha's scre...
FTIR Spectroscopy (APE)
Alcohol
Wavelength (Cm⁻¹)
Click to add notes
Type here to search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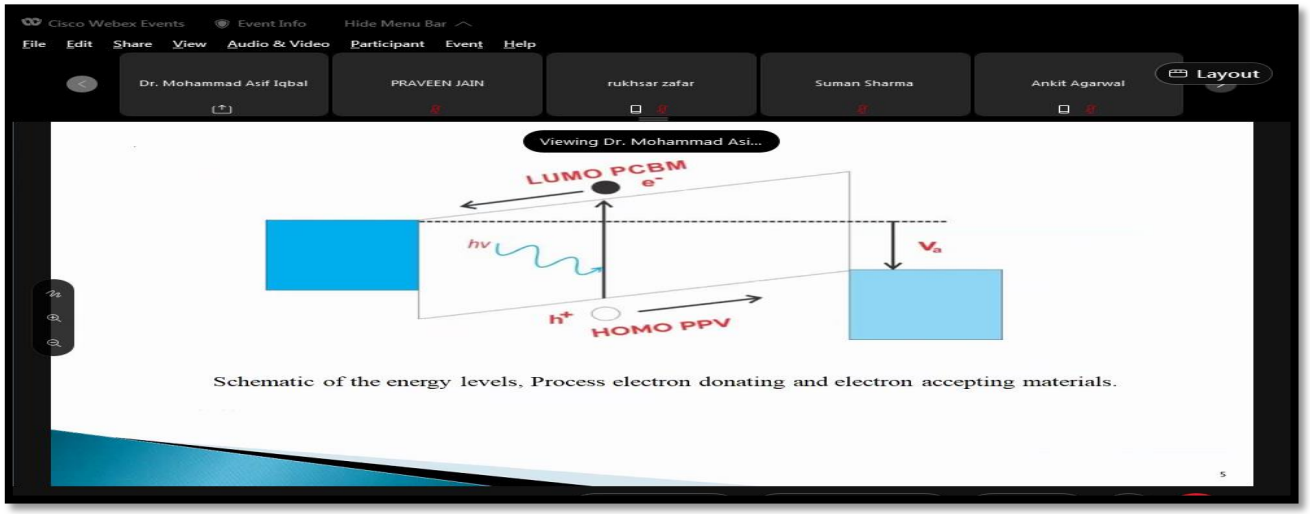
rukhsar zafar
Navneet Kaur
Dr. Praveen Jain
Pooja Choudhary
Ankit Agarwal
Layout
Viewing Navneet Kaur's ap...
Introduction.. Contd.
New Transistor Structures
Gate
Source
Drain
Buried Oxide
Substrate
SOI MOSFET
(a)
$T_{Si} < (1/4) \times L_g$
(b)
$T_{Si} < (2/3) \times L_g$
(c)
(d)
Figure 2(a) SOI MOSFET (b) UTB MOSFET (c) DG-MOSFET (d) FinFET (Chang et al., 2003; Kathawala et al., 2003; Hisamoto et al., 2000)
ICANCT, 2022
2/25/2022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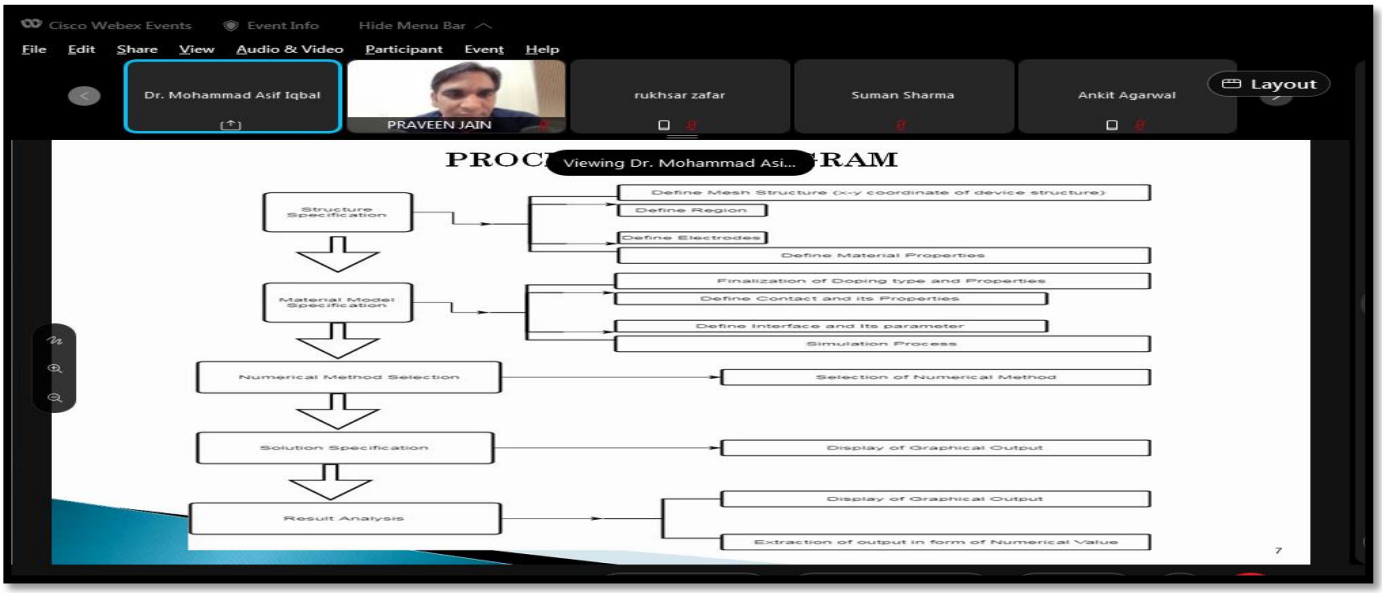
Dr. Mohammad Asif Iqbal
PRAVEEN JAIN
rukhsar zafar
Suman Sharma
Ankit Agarwal
Layout
Viewing Dr. Mohammad Asi...
LUMO PCBM
e⁻
hv
V_o
h⁺
HOMO PPV
Schematic of the energy levels, Process electron donating and electron accepting materials.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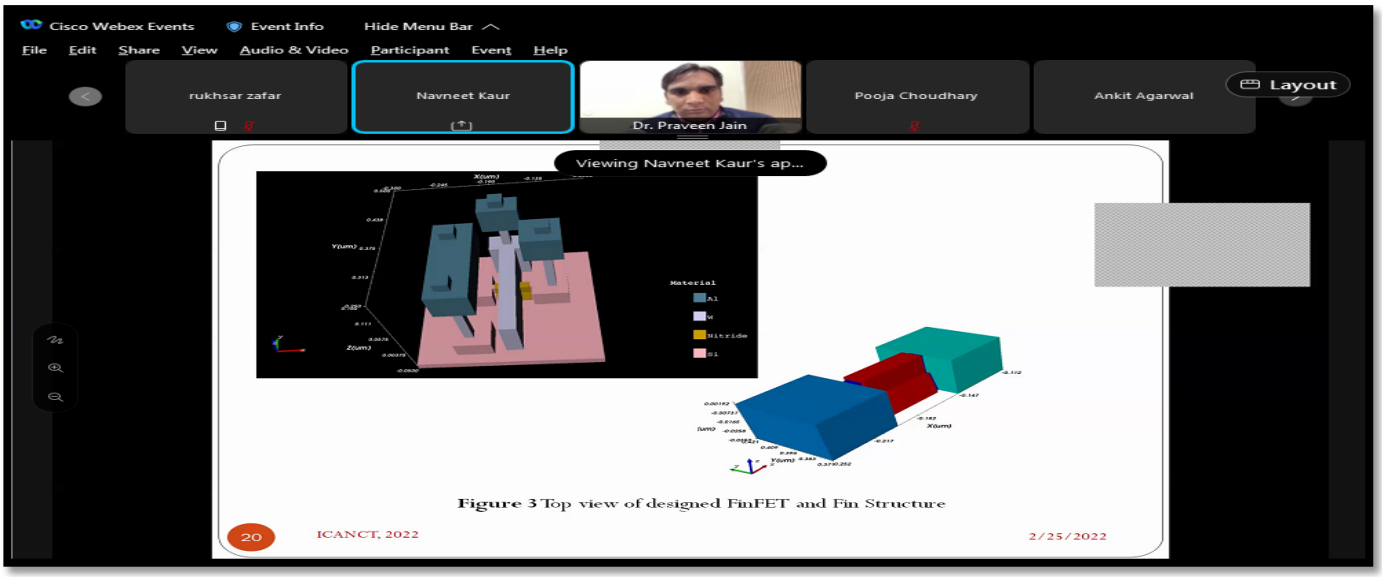
Dr. Mohammad Asif Iqbal
PRAVEEN JAIN
rukhsar zafar
Suman Sharma
Ankit Agarwal
Layout
Viewing Dr. Mohammad Asi...
Structure Specification
Material Model Specification
Numerical Method Selection
Solution Specification
Result Analysis
Define Mesh Structure (x-y coordinate of device structure)
Define Region
Define Electrodes
Define Material Properties
Finalization of Doping type and Properties
Define Contact and its Properties
Define Interface and its parameter
Simulation Process
Selection of Numerical Method
Display of Graphical Output
Display of Graphical Output
Extraction of output in form of Numerical Value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rukhsar zafar
Navneet Kaur
Dr. Praveen Jain
Pooja Choudhary
Ankit Agarwal
Layout
Viewing Navneet Kaur's ap...
Material
Figure 3 Top view of designed FinFET and Fin Structure
20
ICANCT, 2022
2/25/2022


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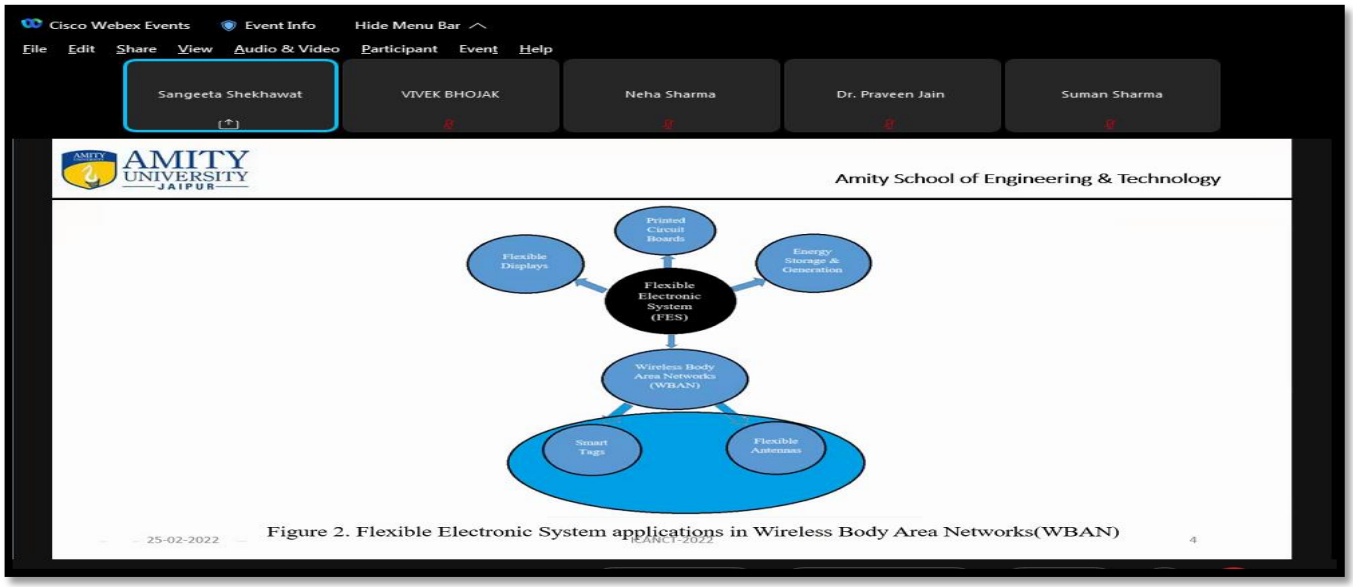
Pooja Choudhary
rukhsar zafar
Asha S
Ankit Agarwal
Rukhsar Zafar
Layout
Viewing Asha S's applicatio...
Synthesis of JPT
Friday, February 25, 2022
3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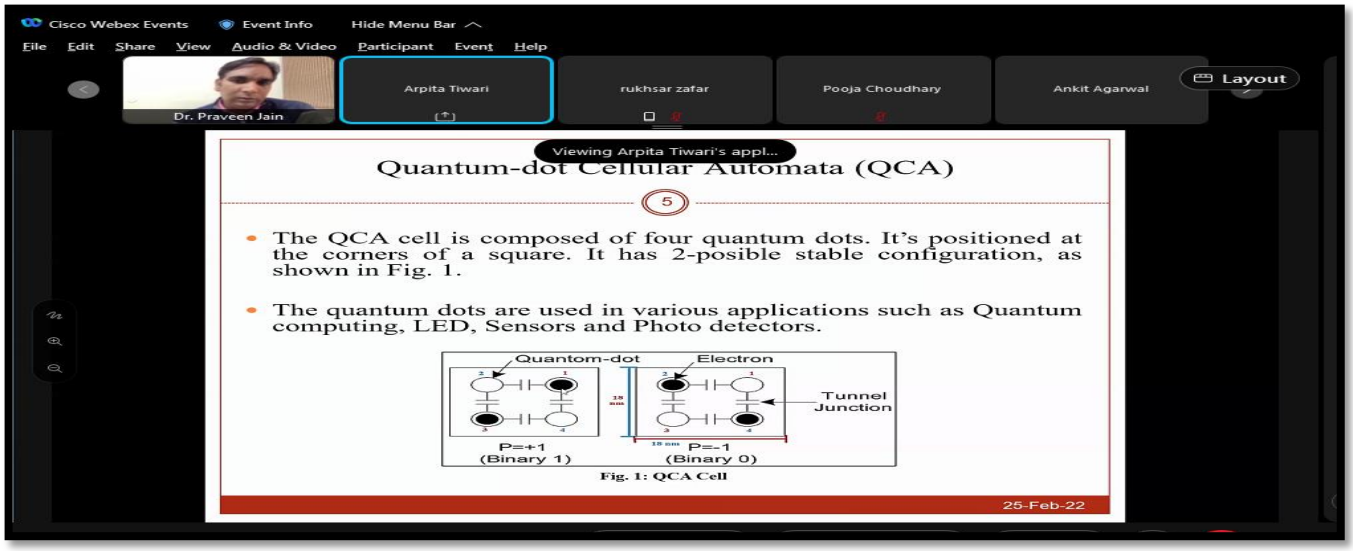
Sangeeta Shekhawat
VIVEK BHOJAK
Neha Sharma
Dr. Praveen Jain
Suman Sharma
AMITY UNIVERSITY JAIPUR
Amity School of Engineering & Technology
Printed Circuit Boards
Flexible Displays
Energy Storage & Generation
Flexible Electronic System (FES)
Wireless Body Area Networks (WBAN)
Smart Tags
Flexible Antennas
Figure 2. Flexible Electronic System applications in Wireless Body Area Networks(WBAN)
25-02-2022
ICANCT-2022
4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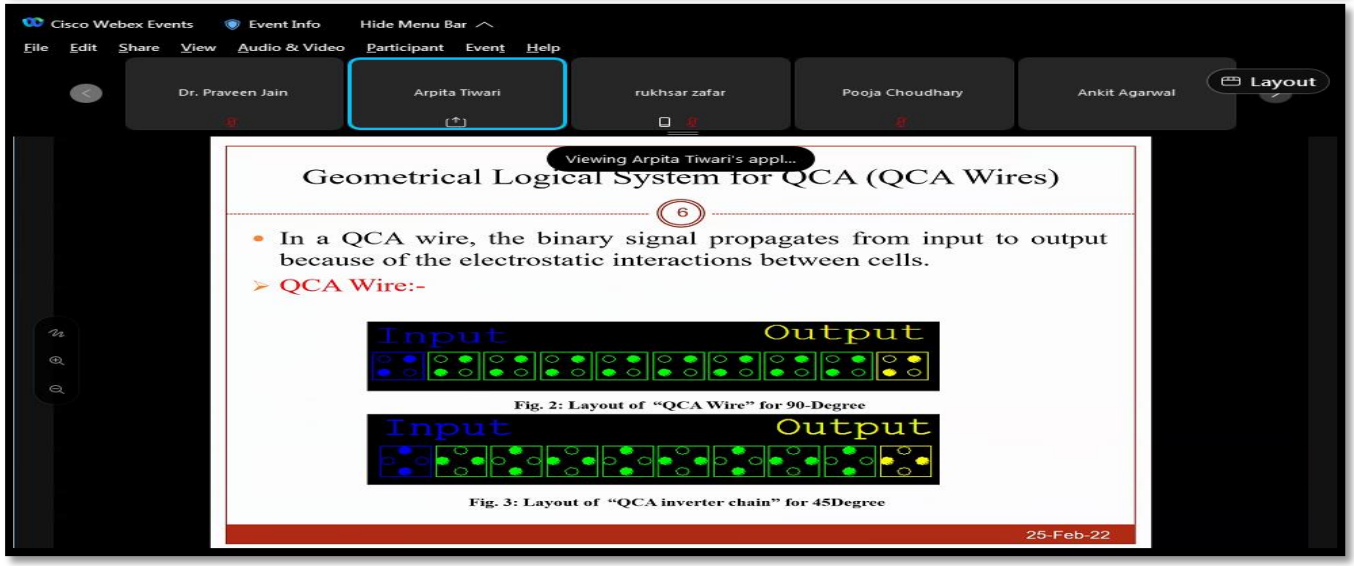
Dr. Praveen Jain
Arpita Tiwari
rukhsar zafar
Pooja Choudhary
Ankit Agarwal
Layout
Viewing Arpita Tiwari's appl...
Quantum-dot Cellular Automata (QCA)
5
The QCA cell is composed of four quantum dots. It's positioned at the corners of a square. It has 2-posible stable configuration, as shown in Fig. 1.
The quantum dots are used in various applications such as Quantum computing, LED, Sensors and Photo detectors.
Quantom-dot
Electron
Tunnel Junction
P=+1
(Binary 1)
P=-1
(Binary 0)
Fig. 1: QCA Cell
25-Feb-22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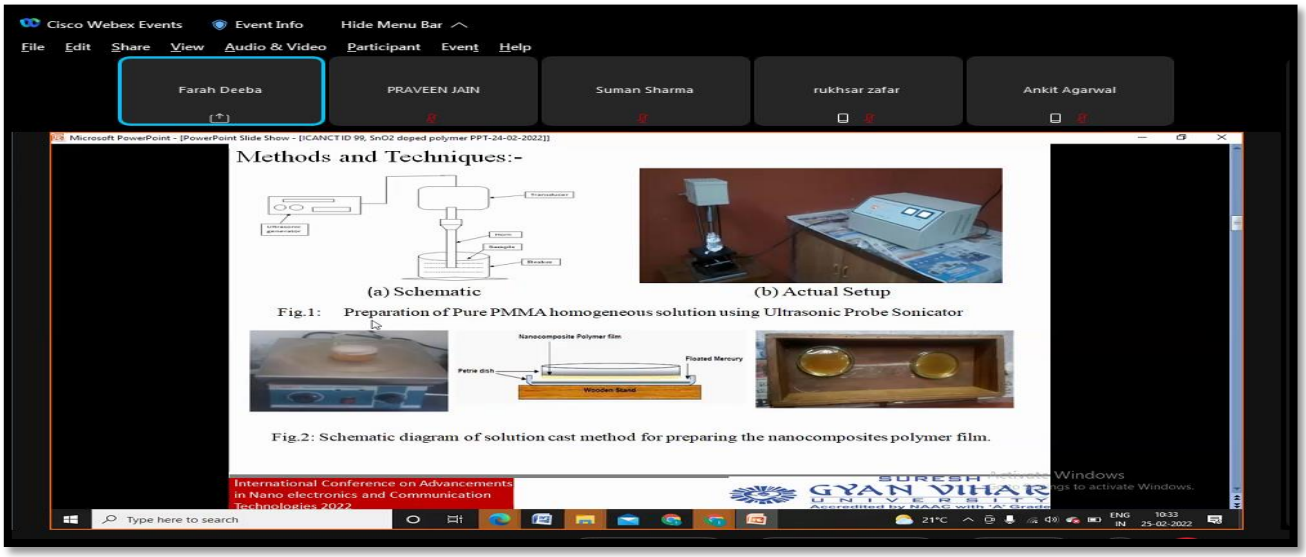
Arpita Tiwari
rukhsar zafar
Pooja Choudhary
Ankit Agarwal
Layout
Viewing Arpita Tiwari's appl...
Geometrical Logical System for QCA (QCA Wires)
6
In a QCA wire, the binary signal propagates from input to output because of the electrostatic interactions between cells.
QCA Wire:-
Input
Output
Fig. 2: Layout of "QCA Wire" for 90-Degree
Input
Output
Fig. 3: Layout of "QCA inverter chain" for 45Degree
25-Feb-22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Farah Deeba
PRAVEEN JAIN
Suman Sharma
rukhsar zafar
Ankit Agarwal
Methods and Techniques:-
(a) Schematic
(b) Actual Setup
Fig.1: Preparation of Pure PMMA homogeneous solution using Ultrasonic Probe Sonicator
Nanocomposite Polymer film
Petrie dish
Floated Mercury
Wooden Stand
Fig.2: Schematic diagram of solution cast method for preparing the nanocomposites polymer film.
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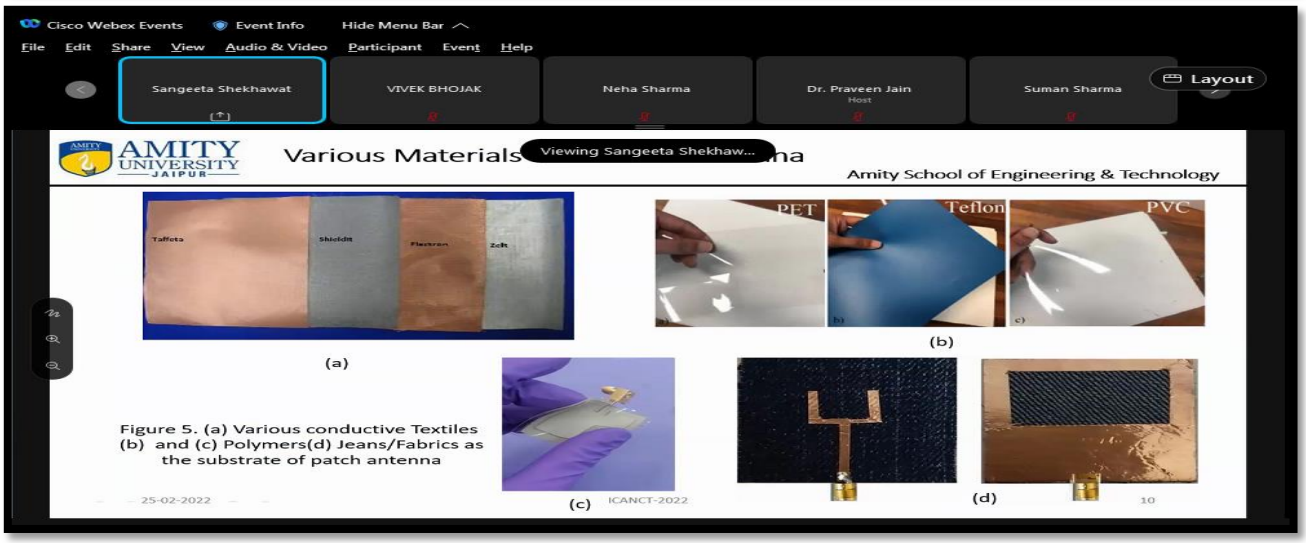
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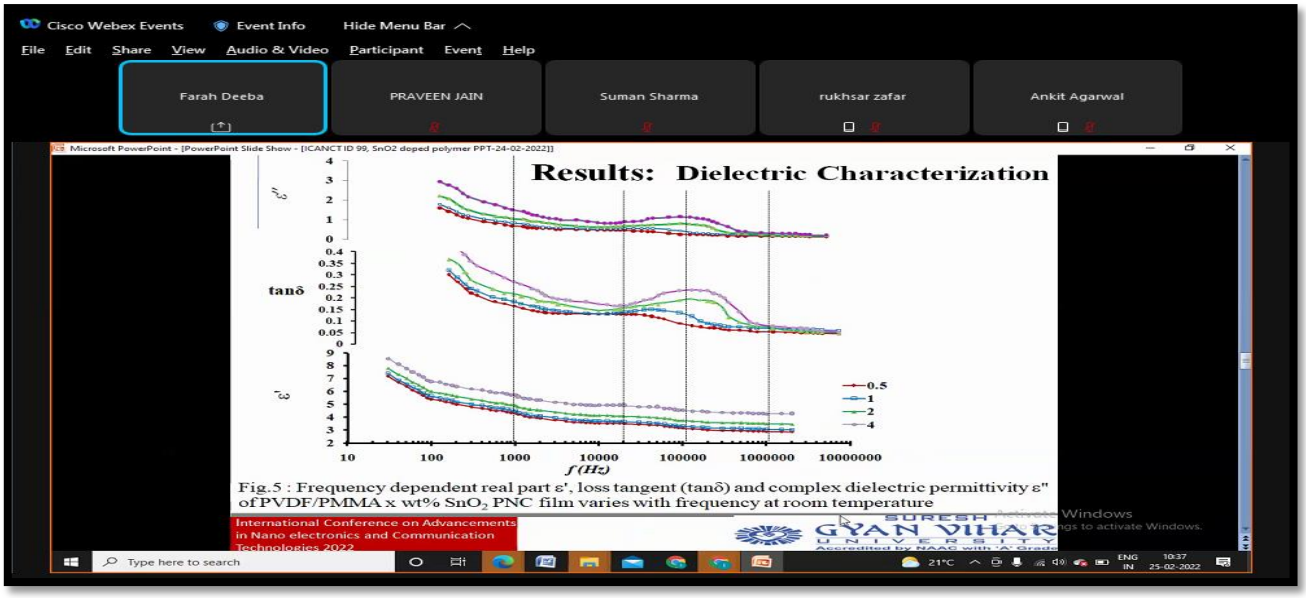
Sangeeta Shekhawat
VIVEK BHOJAK
Neha Sharma
Dr. Praveen Jain
Host
Suman Sharma
Layout
AMITY UNIVERSITY JAIPUR
Various Materials
Viewing Sangeeta Shekhaw...
Amity School of Engineering & Technology
Taffeta
Shieldit
Flectron
Zelt
PET
Teflon
PVC
(a)
(b)
Figure 5. (a) Various conductive Textiles (b) and (c) Polymers(d) Jeans/Fabrics as the substrate of patch antenna
(c)
(d)
25-02-2022
ICANCT-2022
10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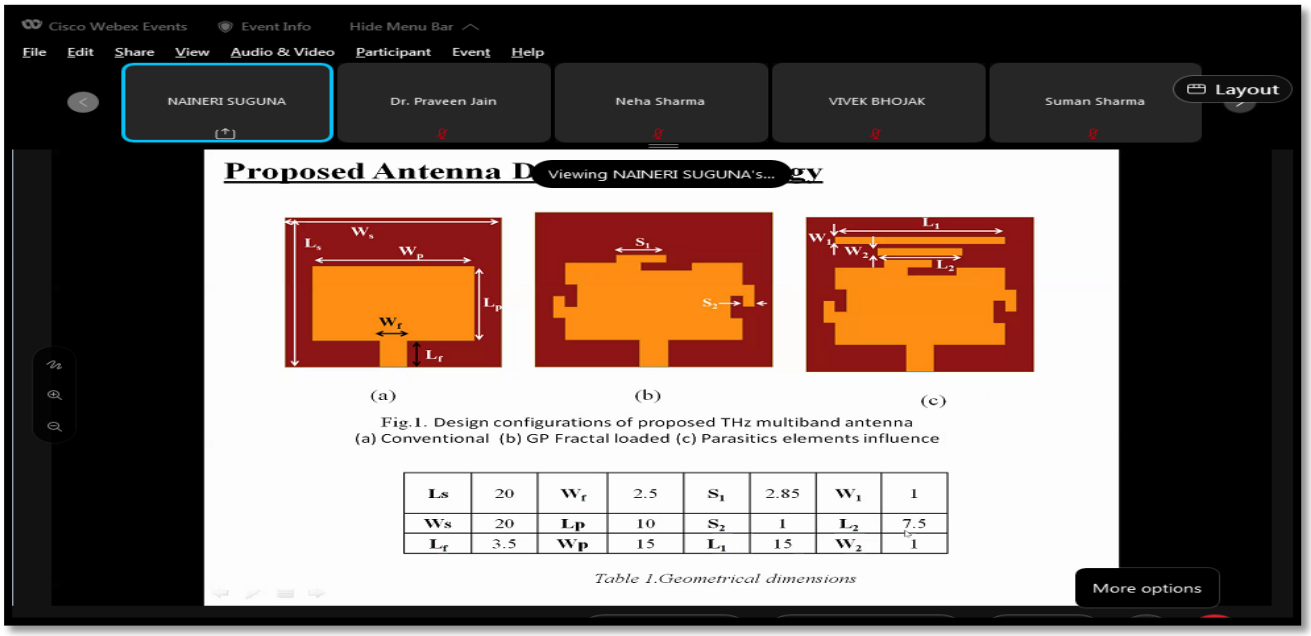
PRAVEEN JAIN
Suman Sharma
rukhsar zafar
Ankit Agarwal
Results: Dielectric Characterization
tanδ
f (Hz)
0.5
1
2
4
Fig.5 : Frequency dependent real part ε', loss tangent (tanδ) and complex dielectric permittivity ε" of PVDF/PMMA x wt% SnO_2 PNC film varies with frequency at room temperature
International Conference on Advancements in Nano electronics and Communication Technologies 2022
SURESH GYAN VIHAR UNIVERSITY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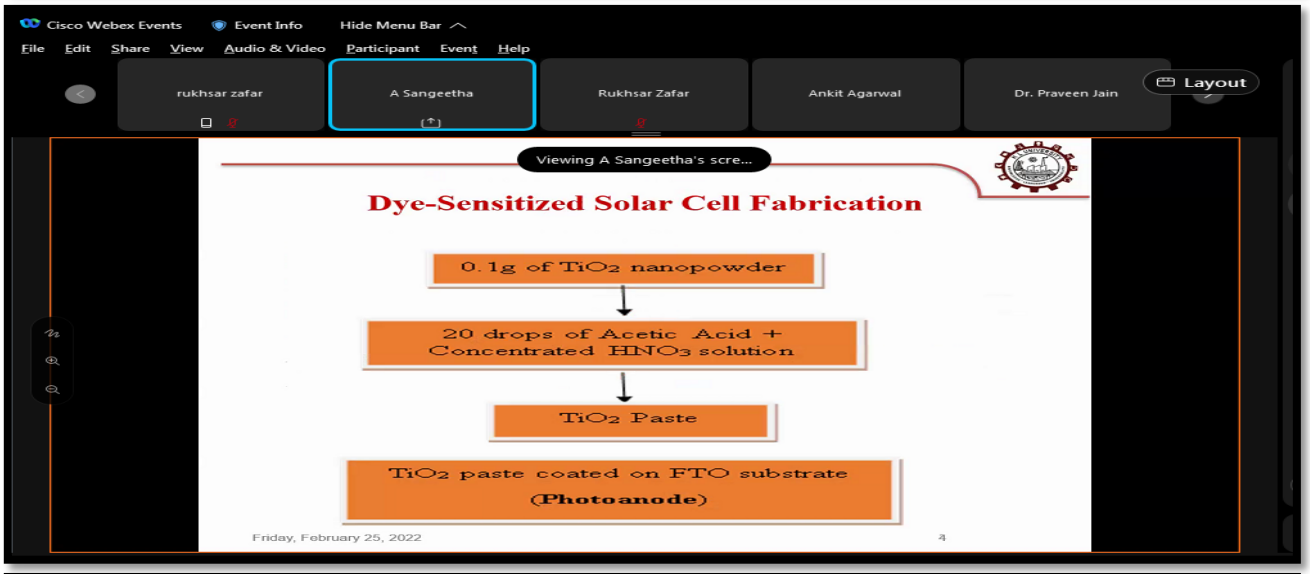
NAINERI SUGUNA
Dr. Praveen Jain
Neha Sharma
VIVEK BHOJAK
Suman Sharma
Layout
Viewing NAINERI SUGUNA's...
Proposed Antenna D gy
(a)
(b)
(c)
Fig.1. Design configurations of proposed THz multiband antenna
(a) Conventional (b) GP Fractal loaded (c) Parasitics elements influence
Ls 20 Wf 2.5 S1 2.85 W1 1
Ws 20 Lp 10 S2 1 L2 7.5
Lf 3.5 Wp 15 L1 15 W2 1
Table 1.Geometrical dimensions
More options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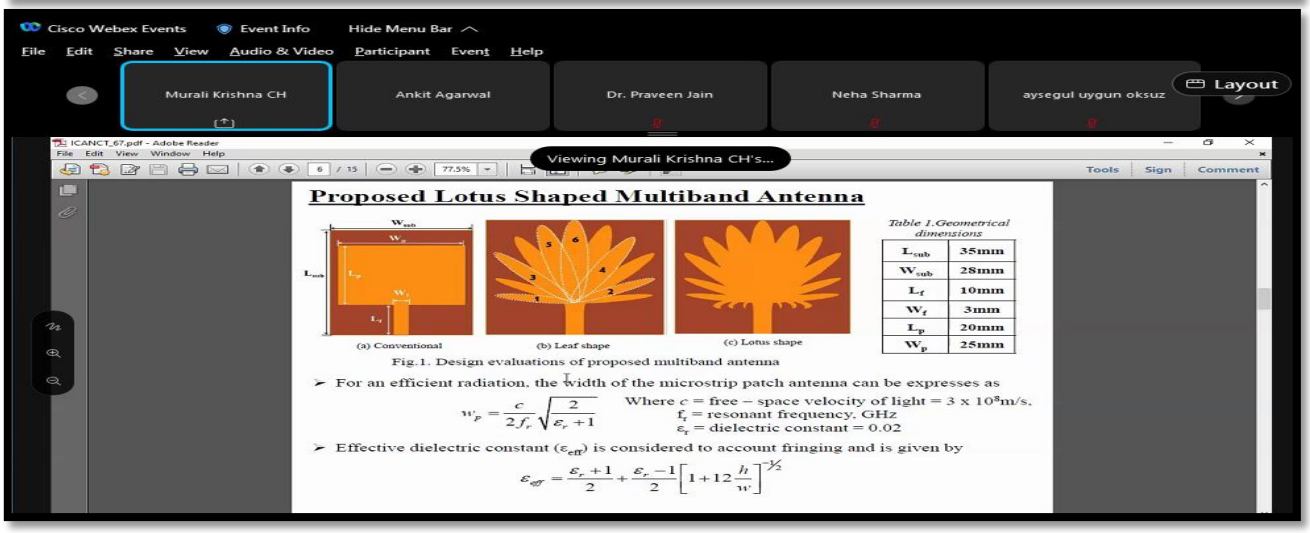
rukhsar zafar
A Sangeetha
Rukhsar Zafar
Ankit Agarwal
Dr. Praveen Jain
Layout
Viewing A Sangeetha's scre...
Dye-Sensitized Solar Cell Fabrication
0.1g of TiO2 nanopowder
20 drops of Acetic Acid + Concentrated HNO3 solution
TiO2 Paste
TiO2 paste coated on FTO substrate
(Photoanode)
Friday, February 25, 2022
4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Event Info
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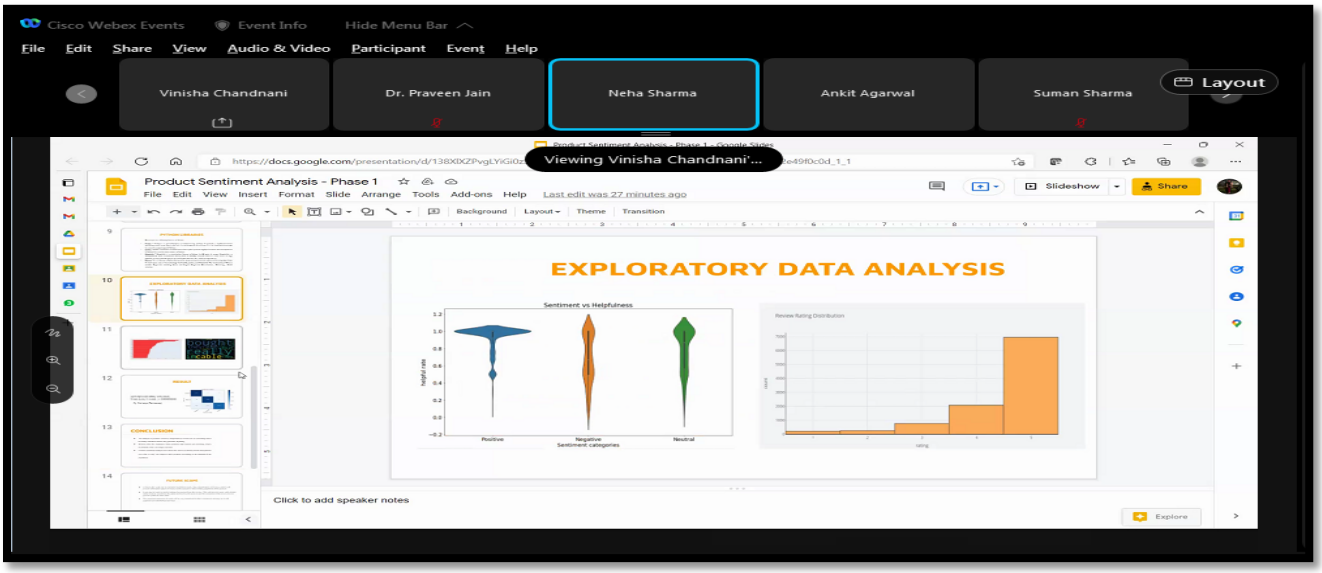
Murali Krishna CH
Ankit Agarwal
Dr. Praveen Jain
Neha Sharma
aysegul uygun oksuz
Layout
Viewing Murali Krishna CH's...
Proposed Lotus Shaped Multiband Antenna
(a) Conventional
(b) Leaf shape
(c) Lotus shape
Fig.1. Design evaluations of proposed multiband antenna
Table 1.Geometrical dimensions
Lsub 35mm
Wsub 28mm
Lf 10mm
Wf 3mm
Lp 20mm
Wp 25mm
For an efficient radiation, the width of the microstrip patch antenna can be expresses as
Where c = free – space velocity of light = 3 x 10^8 m/s,
fr = resonant frequency, GHz
εr = dielectric constant = 0.02
Effective dielectric constant (εeff) is considered to account fringing and is given by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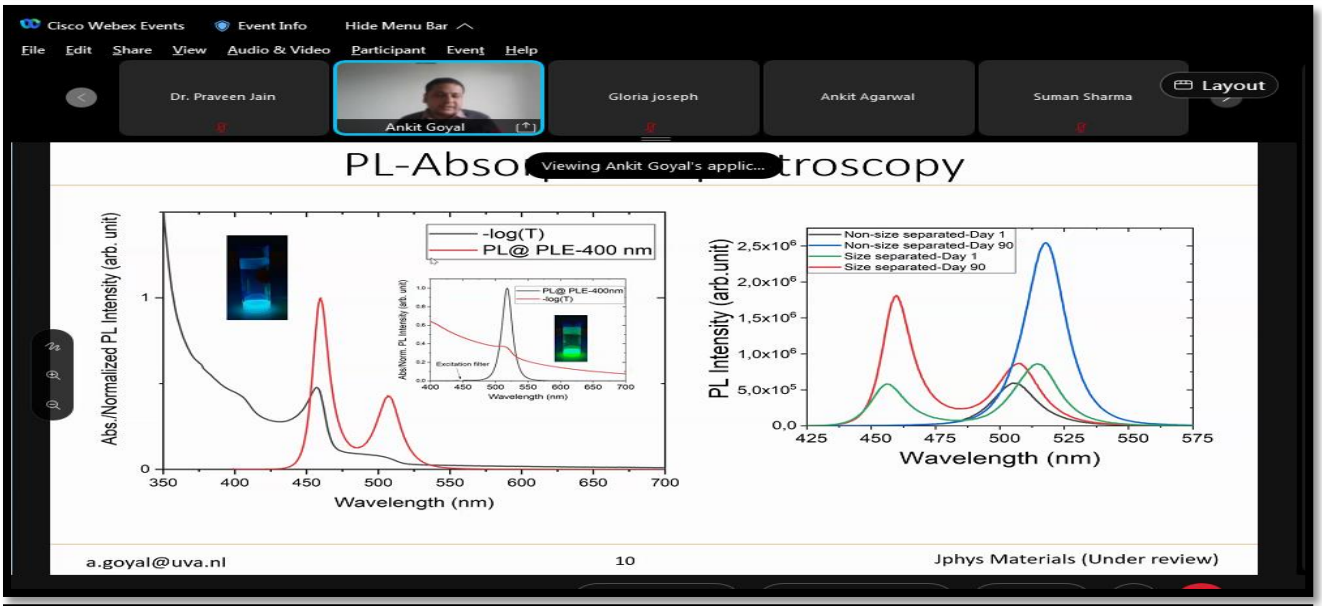
Vinisha Chandnani
Dr. Praveen Jain
Neha Sharma
Ankit Agarwal
Suman Sharma
Layout
Viewing Vinisha Chandnani'...
Product Sentiment Analysis - Phase 1
EXPLORATORY DATA ANALYSIS
Sentiment vs Helpfulness
Click to add speaker notes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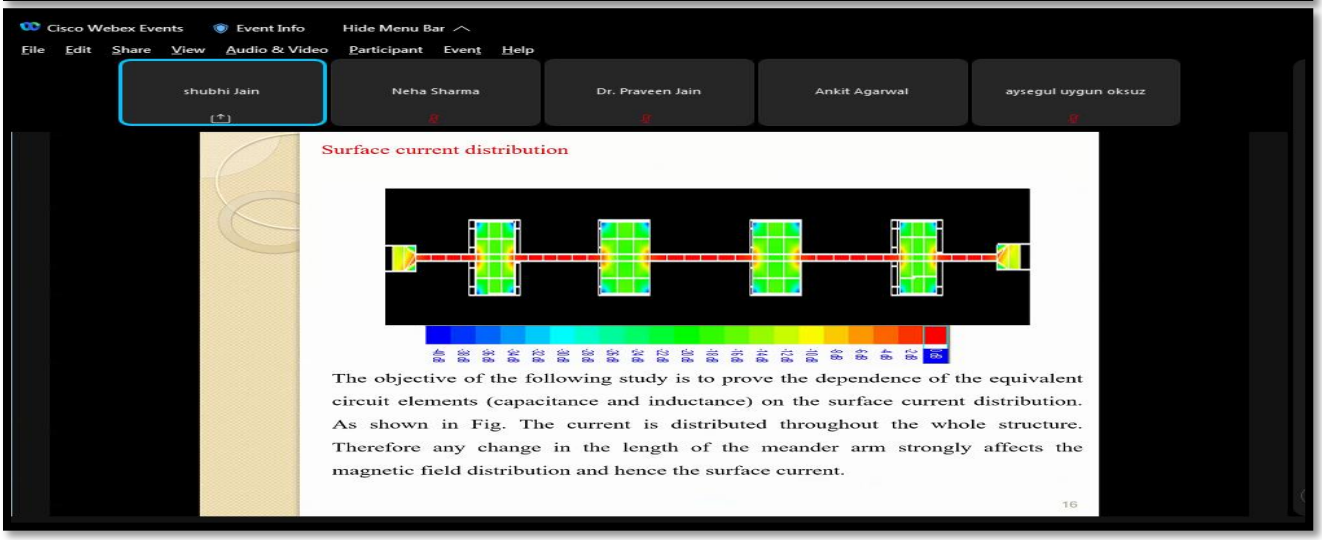
Dr. Praveen Jain
Ankit Goyal
Gloria joseph
Ankit Agarwal
Suman Sharma
Layout
Viewing Ankit Goyal's applic...
-log(T)
PL@ PLE-400 nm
Abs./Normalized PL Intensity (arb. unit)
Wavelength (nm)
Non-size separated-Day 1
Non-size separated-Day 90
Size separated-Day 1
Size separated-Day 90
PL Intensity (arb.unit)
a.goyal@uva.nl
10
Jphys Materials (Under review)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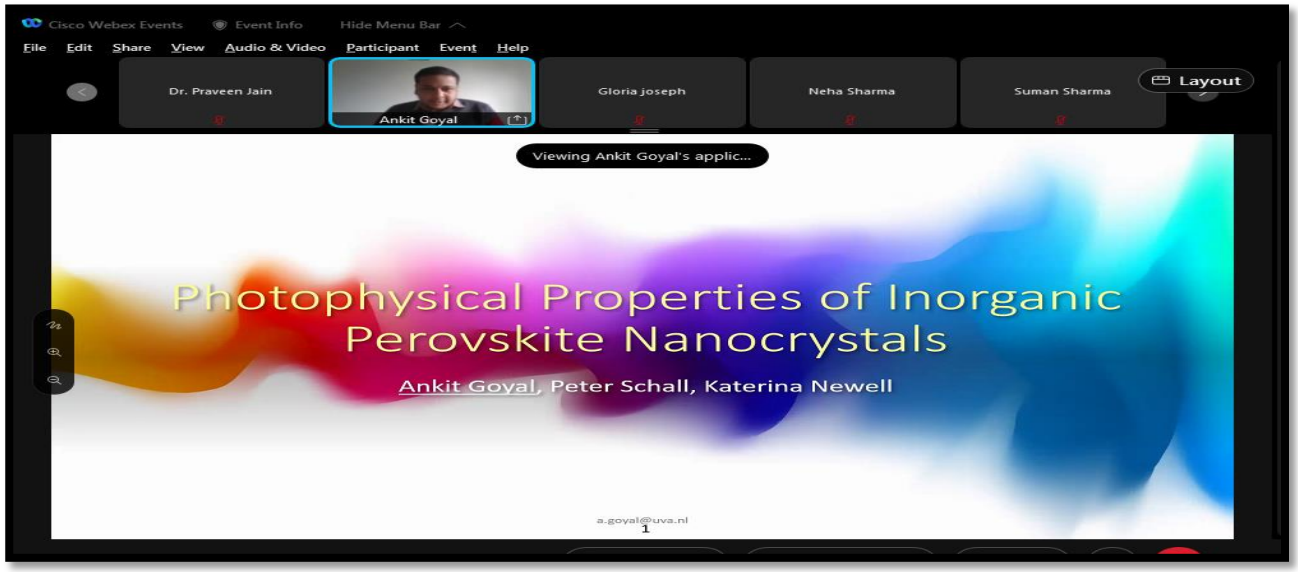
shubhi Jain
Neha Sharma
Dr. Praveen Jain
Ankit Agarwal
aysegul uygun oksuz
Surface current distribution
The objective of the following study is to prove the dependence of the equivalent circuit elements (capacitance and inductance) on the surface current distribution. As shown in Fig. The current is distributed throughout the whole structure. Therefore any change in the length of the meander arm strongly affects the magnetic field distribution and hence the surface current.
16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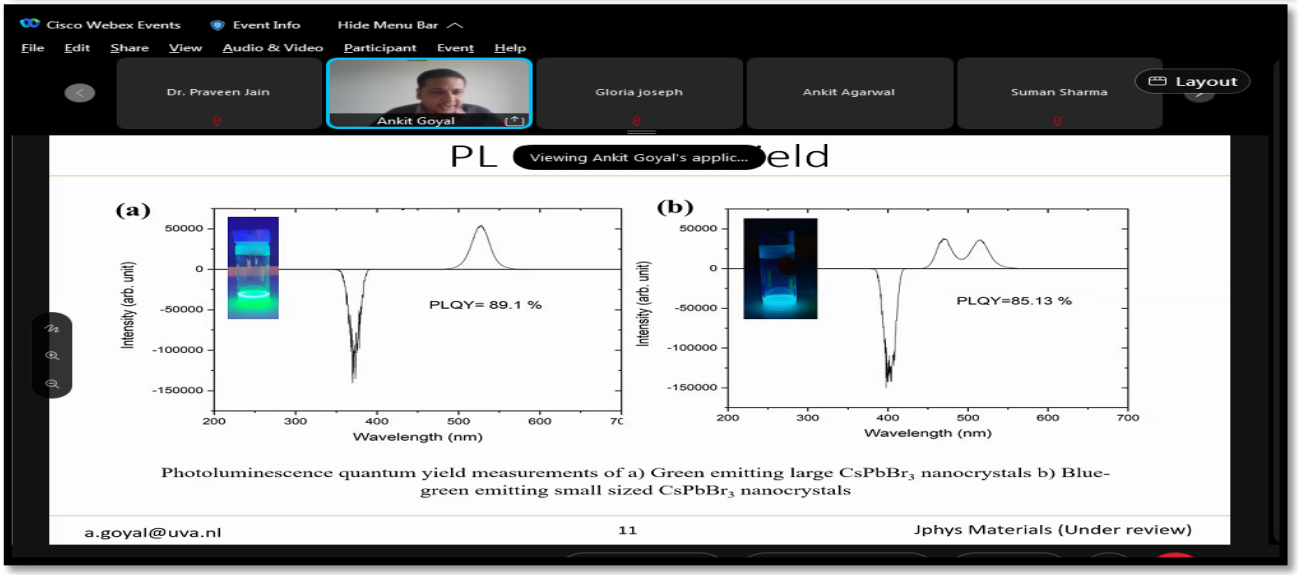
Dr. Praveen Jain
Ankit Goyal
Gloria joseph
Neha Sharma
Suman Sharma
Layout
Viewing Ankit Goyal's applic...
Photophysical Properties of Inorganic Perovskite Nanocrystals
Ankit Goyal, Peter Schall, Katerina Newell
a.goyal@uva.nl
1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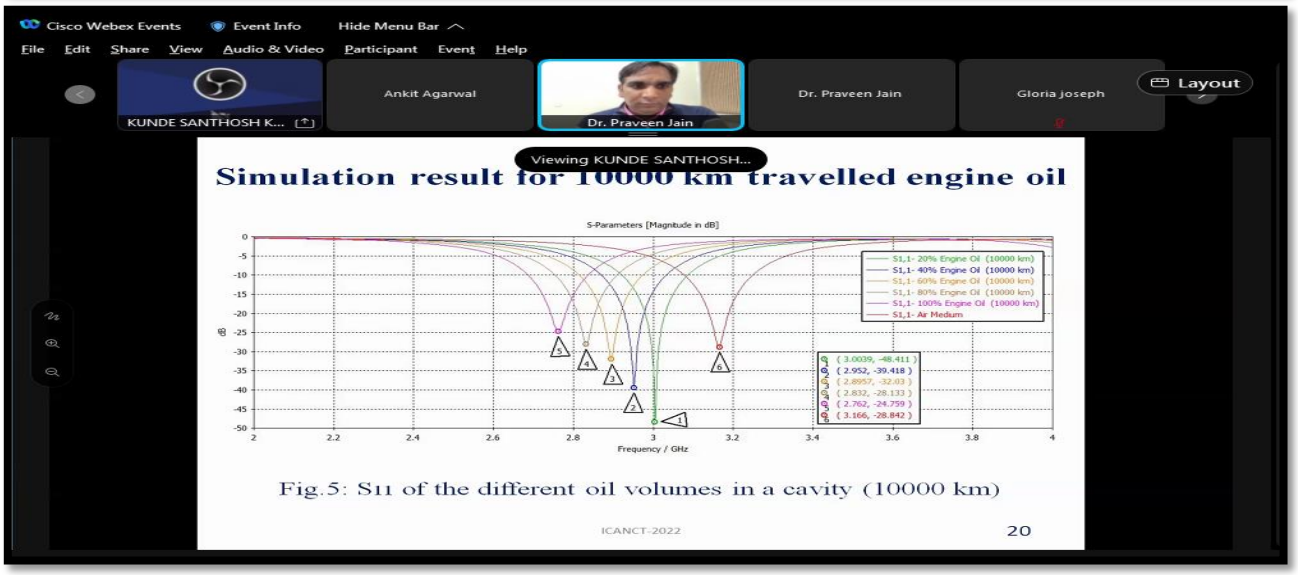
Dr. Praveen Jain
Ankit Goyal
Gloria joseph
Ankit Agarwal
Suman Sharma
Layout
Viewing Ankit Goyal's applic...
PL eld
(a)
(b)
Intensity (arb. unit)
Wavelength (nm)
PLQY= 89.1 %
PLQY=85.13 %
Photoluminescence quantum yield measurements of a) Green emitting large CsPbBr3 nanocrystals b) Blue-green emitting small sized CsPbBr3 nanocrystals
a.goyal@uva.nl
11
Jphys Materials (Under review)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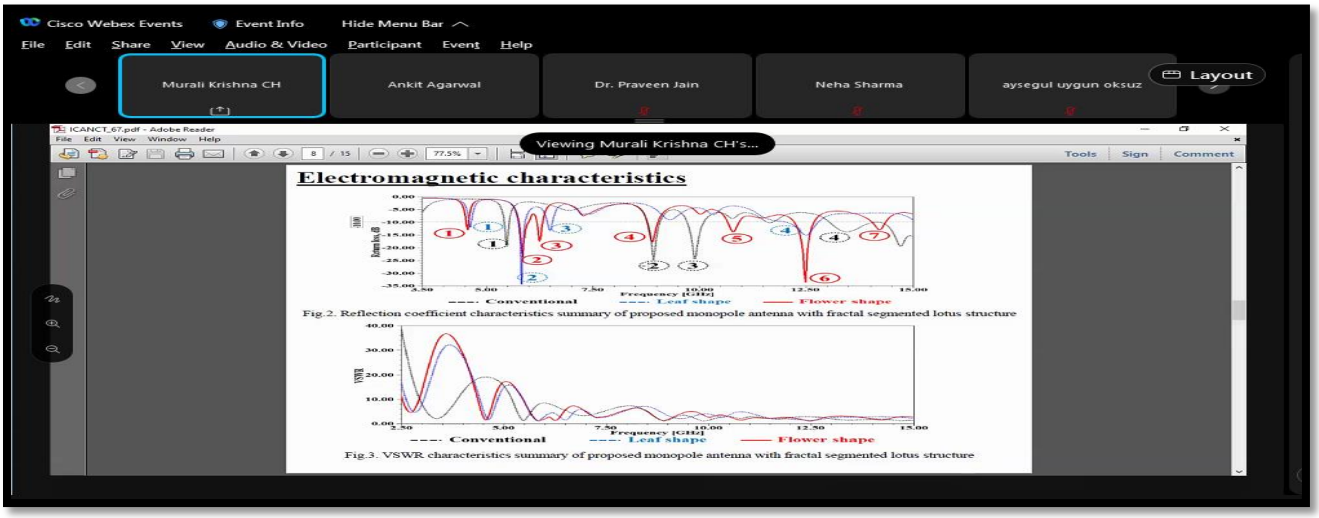
KUNDE SANTHOSH K...
Ankit Agarwal
Dr. Praveen Jain
Gloria joseph
Layout
Viewing KUNDE SANTHOSH...
Simulation result for 10000 km travelled engine oil
S-Parameters [Magnitude in dB]
Frequency / GHz
Fig.5: S11 of the different oil volumes in a cavity (10000 km)
ICANCT-2022
20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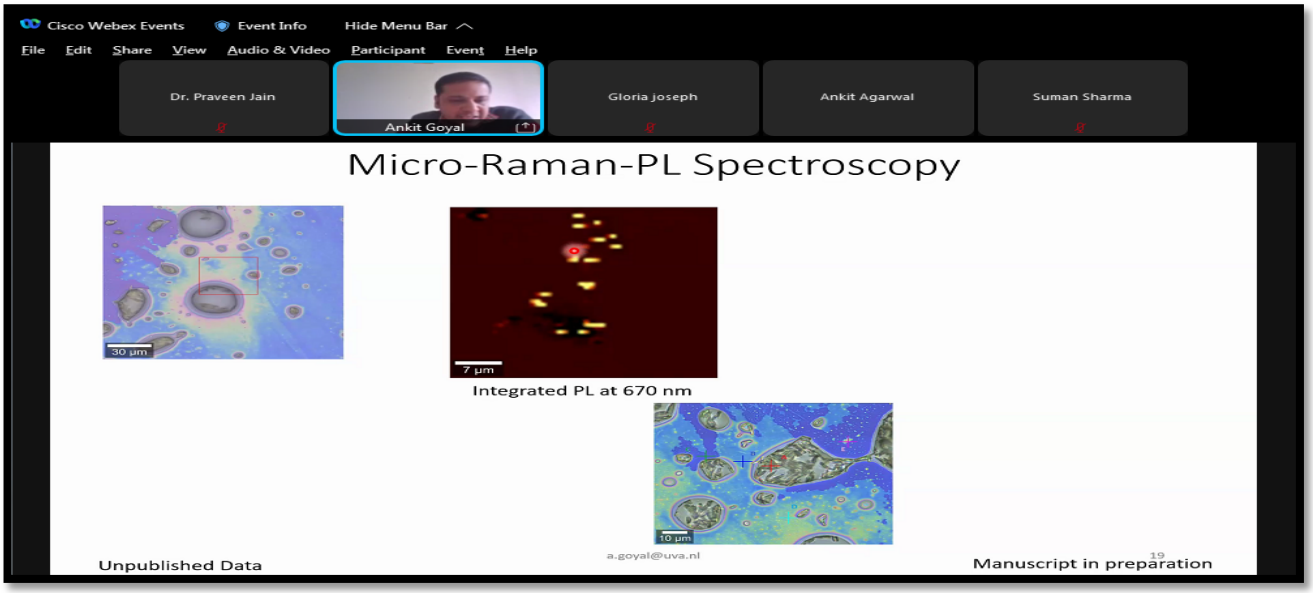
Murali Krishna CH
Ankit Agarwal
Dr. Praveen Jain
Neha Sharma
aysegul uygun oksuz
Layout
Viewing Murali Krishna CH's...
Electromagnetic characteristics
Conventional
Leaf shape
Flower shape
Fig.2. Reflection coefficient characteristics summary of proposed monopole antenna with fractal segmented lotus structure
Fig.3. VSWR characteristics summary of proposed monopole antenna with fractal segmented lotus structure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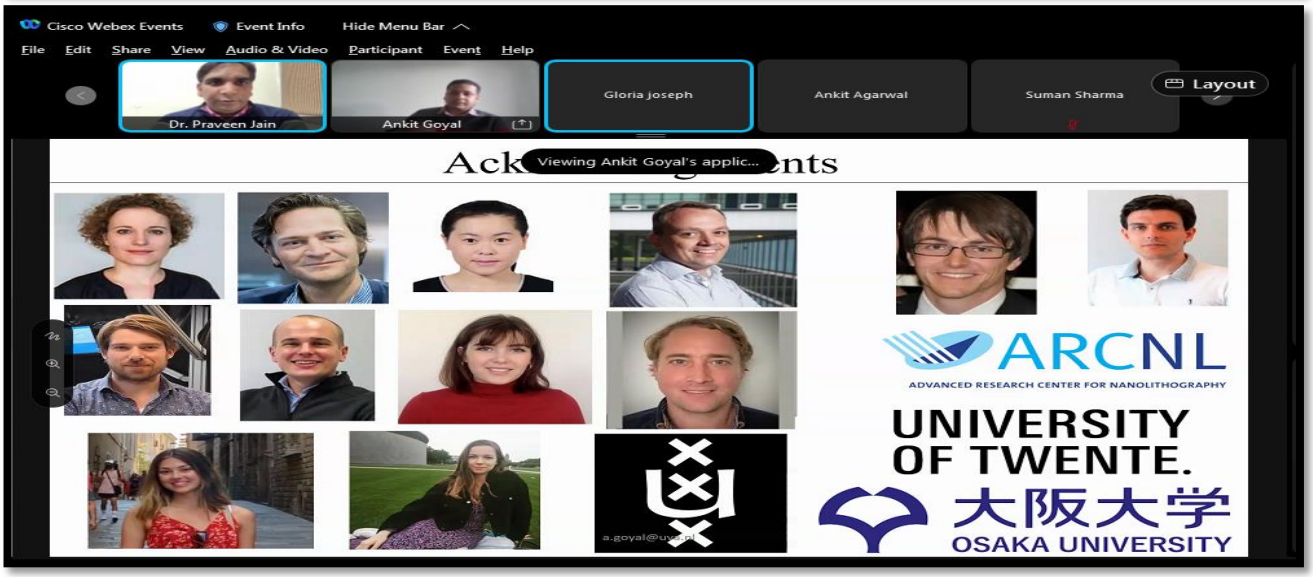
Dr. Praveen Jain
Ankit Goyal
Gloria joseph
Ankit Agarwal
Suman Sharma
Micro-Raman-PL Spectroscopy
30 µm
7 µm
Integrated PL at 670 nm
10 µm
a.goyal@uva.nl
Unpublished Data
Manuscript in preparation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Dr. Praveen Jain
Ankit Goyal
Gloria joseph
Ankit Agarwal
Suman Sharma
Layout
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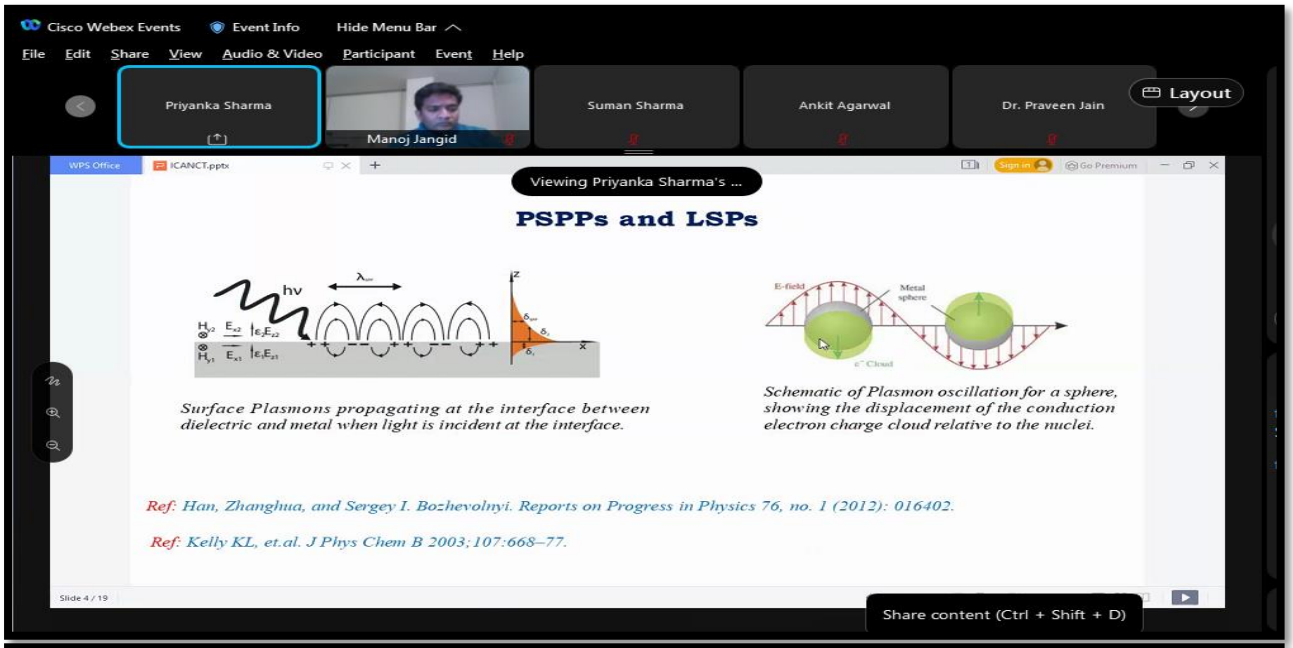
ARCNL
ADVANCED RESEARCH CENTER FOR NANOLITHOGRAPHY
UNIVERSITY OF TWENTE.
大阪大学
OSAKA UNIVERSITY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Priyanka Sharma
Manoj Jangid
Suman Sharma
Ankit Agarwal
Dr. Praveen Jain
Layout
Viewing Priyanka Sharma's ...
PSPPs and LSPs
hv
Surface Plasmons propagating at the interface between dielectric and metal when light is incident at the interface.
Schematic of Plasmon oscillation for a sphere, showing the displacement of the conduction electron charge cloud relative to the nuclei.
Ref: Han, Zhanghua, and Sergey I. Bozhevolnyi. Reports on Progress in Physics 76, no. 1 (2012): 016402.
Ref: Kelly KL, et.al. J Phys Chem B 2003; 107:668–77.
Slide 4 / 19
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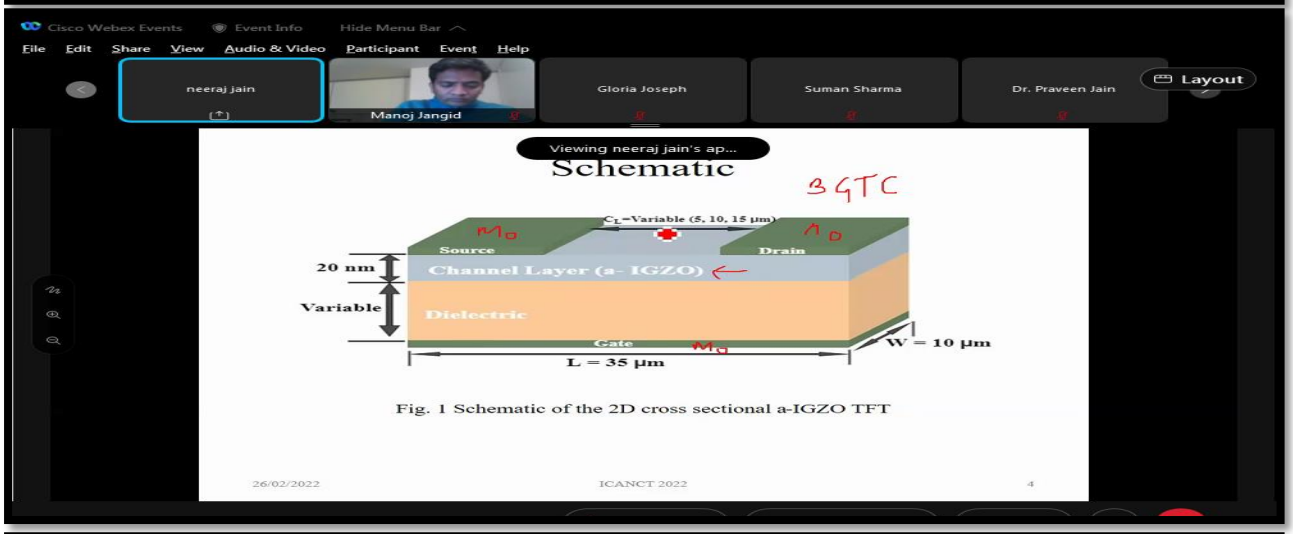
Cisco Webex Events
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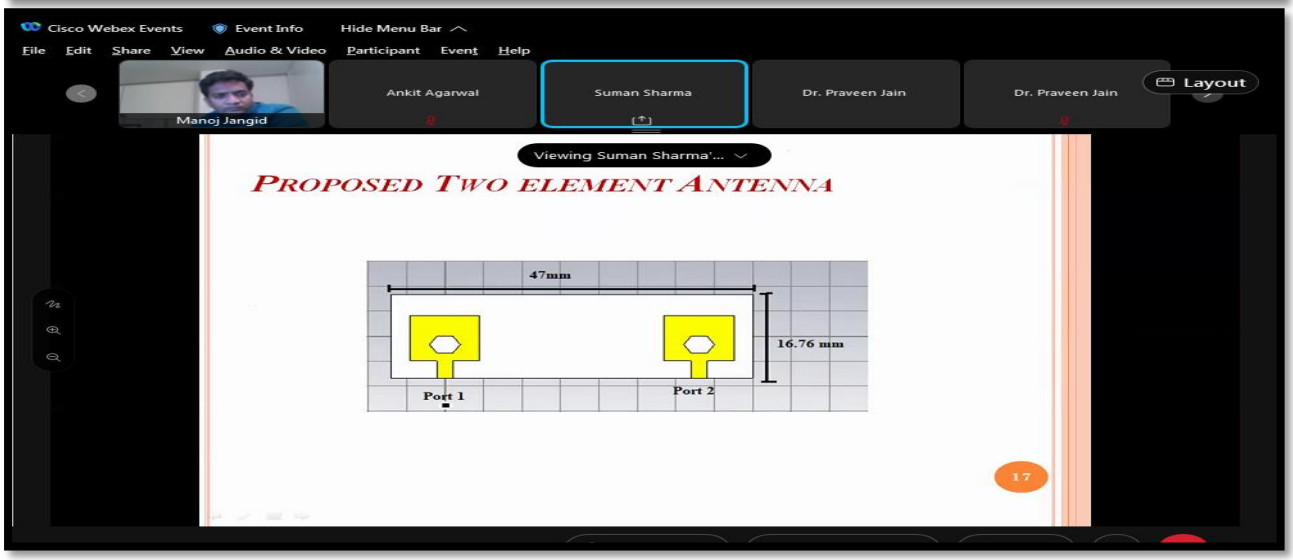
neeraj jain
Manoj Jangid
Gloria Joseph
Suman Sharma
Dr. Praveen Jain
Layout
Viewing neeraj jain's ap...
Schematic
BGTC
Source
Drain
Channel Layer (a- IGZO)
Dielectric
Gate
20 nm
Variable
L = 35 µm
W = 10 µm
Fig. 1 Schematic of the 2D cross sectional a-IGZO TFT
26/02/2022
ICANCT 2022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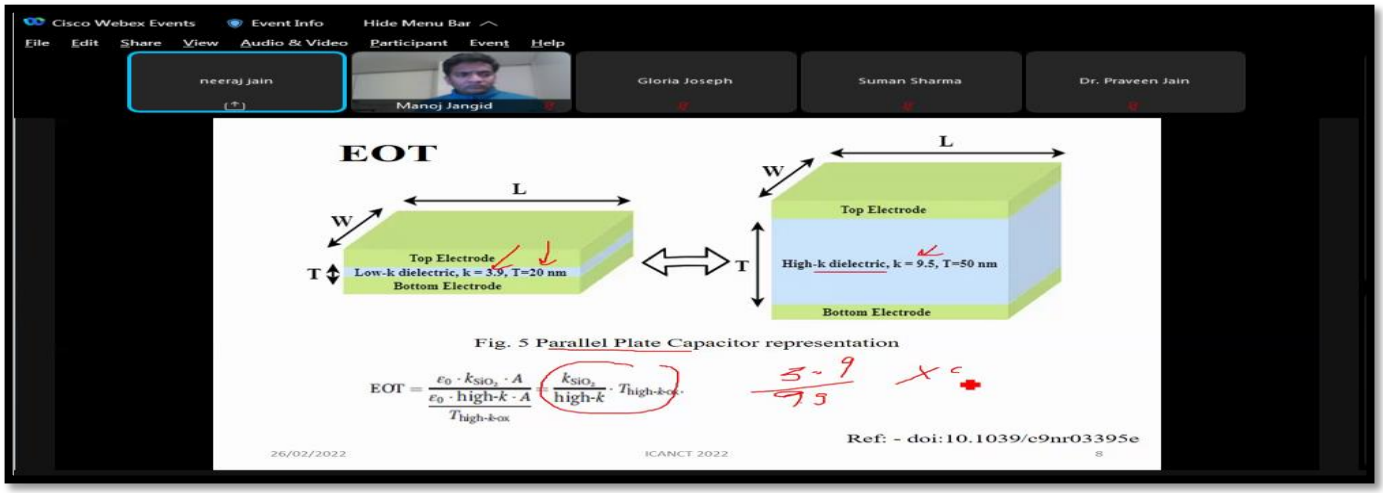
Manoj Jangid
Ankit Agarwal
Suman Sharma
Dr. Praveen Jain
Dr. Praveen Jain
Layout
Viewing Suman Sharma'...
PROPOSED TWO ELEMENT ANTENNA
47mm
16.76 mm
Port 1
Port 2
17


Cisco Webex Events
Event Info
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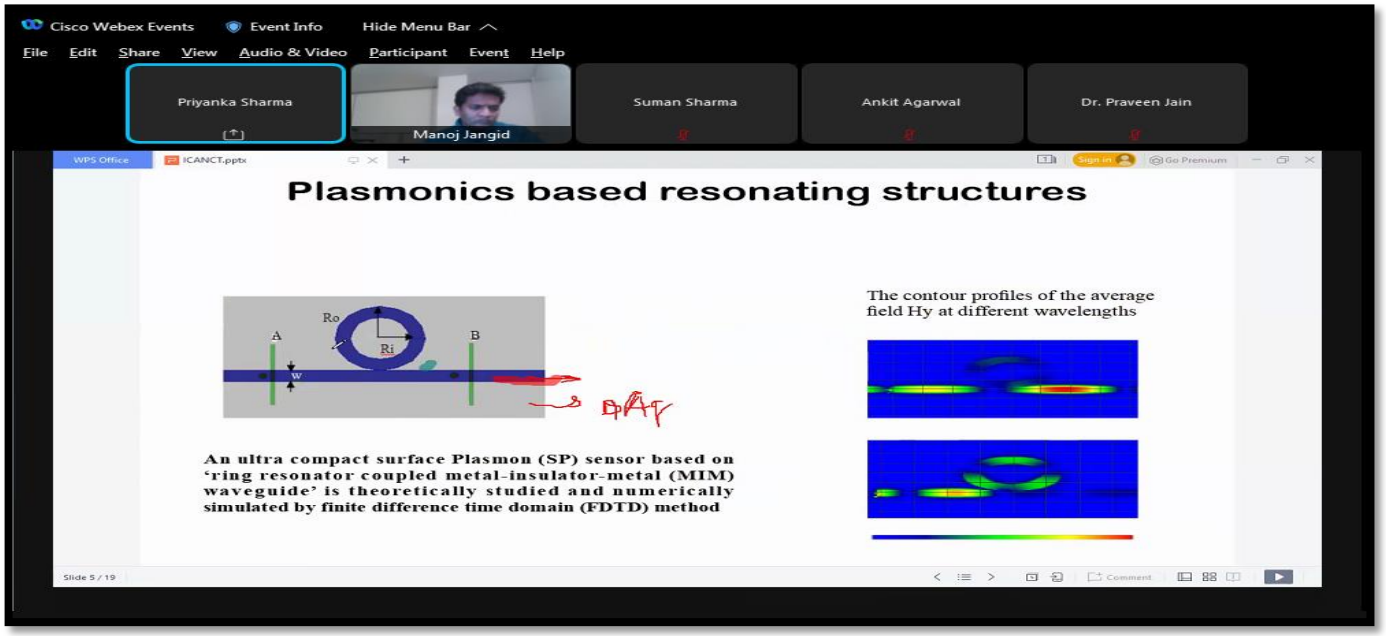
neeraj jain
Manoj Jangid
Gloria Joseph
Suman Sharma
Dr. Praveen Jain
EOT
L
W
T
Top Electrode
Low-k dielectric, k = 3.9, T=20 nm
Bottom Electrode
High-k dielectric, k = 9.5, T=50 nm
Fig. 5 Parallel Plate Capacitor representation
Ref: - doi:10.1039/c9nr03395e
26/02/2022
ICANCT 2022


Cisco Webex Events
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Priyanka Sharma
Manoj Jangid
Suman Sharma
Ankit Agarwal
Dr. Praveen Jain
ICANCT.pptx
Plasmonics based resonating structures
Ro
Ri
A
B
w
The contour profiles of the average field Hy at different wavelengths
An ultra compact surface Plasmon (SP) sensor based on 'ring resonator coupled metal-insulator-metal (MIM) waveguide' is theoretically studied and numerically simulated by finite difference time domain (FDTD) method
Slide 5 / 19


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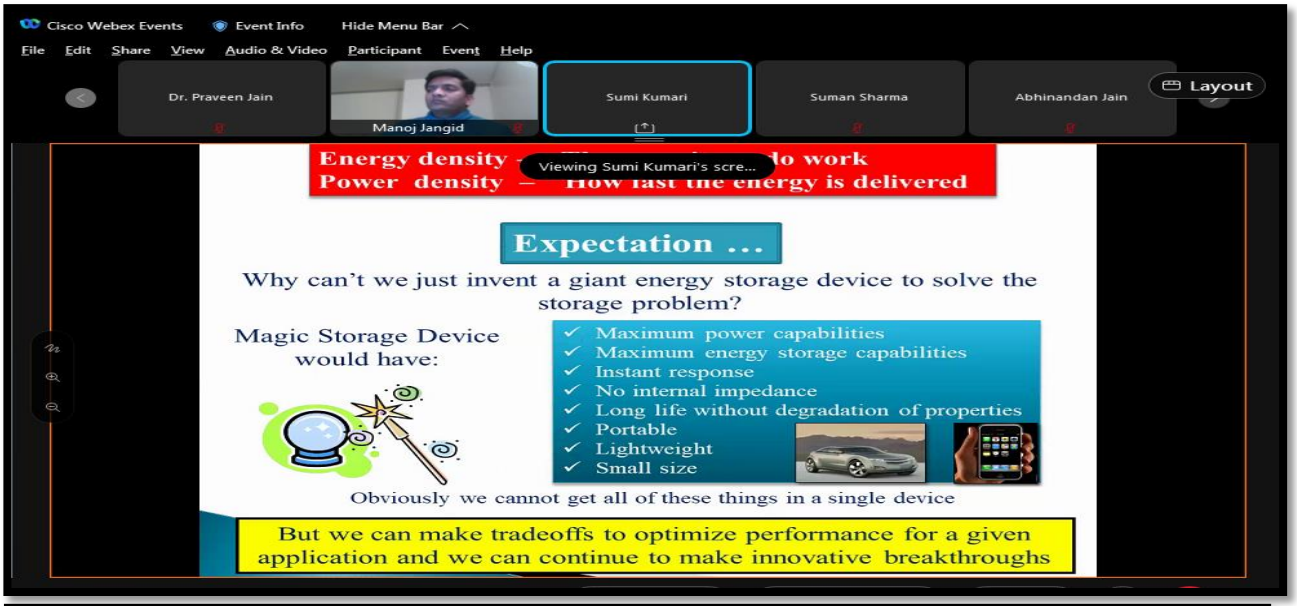
Dr. Praveen Jain
Manoj Jangid
Sumi Kumari
Suman Sharma
Abhinandan Jain
Layout
Viewing Sumi Kumari's scre...
Need is the mother of invention
Diminishing reserves of fossil fuels
Development of energy storage devices
Development of clean and sustainable energy
Transforming natural energy, wind, tide, and solar energies
Energy storage is one of the key challenges we face in the 21st century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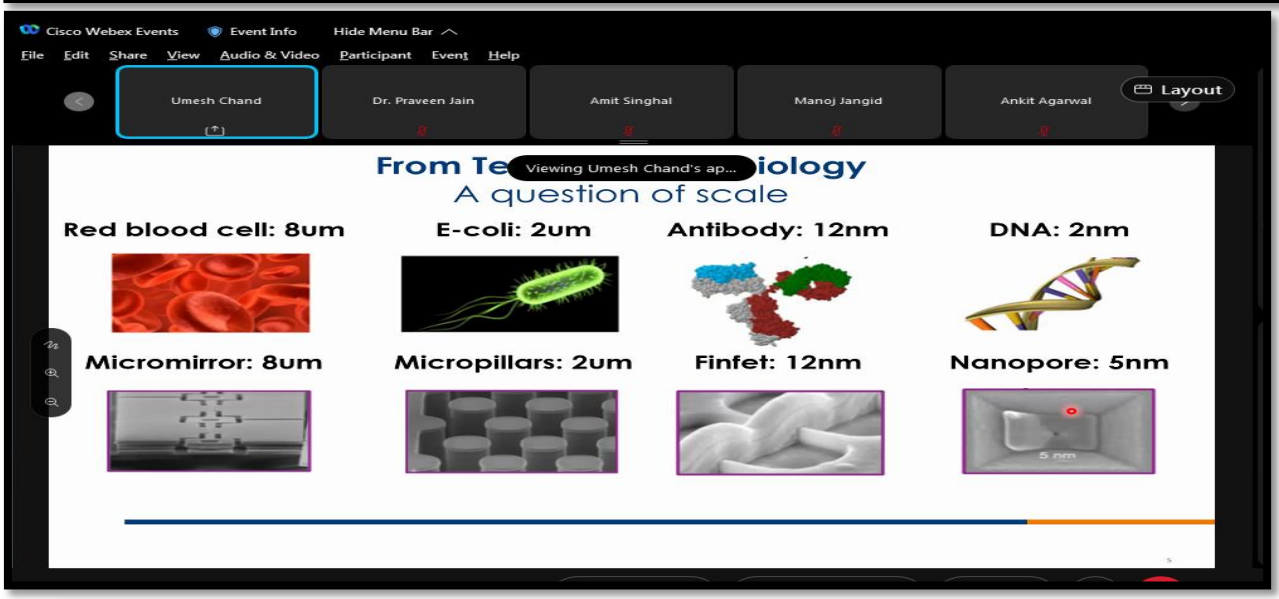
Dr. Praveen Jain
Manoj Jangid
Sumi Kumari
Suman Sharma
Abhinandan Jain
Layout
Viewing Sumi Kumari's scre...
Energy density
Power density
Expectation ...
Why can't we just invent a giant energy storage device to solve the storage problem?
Magic Storage Device would have:
Maximum power capabilities
Maximum energy storage capabilities
Instant response
No internal impedance
Long life without degradation of properties
Portable
Lightweight
Small size
Obviously we cannot get all of these things in a single device
But we can make tradeoffs to optimize performance for a given application and we can continue to make innovative breakthroughs


Cisco Webex Events
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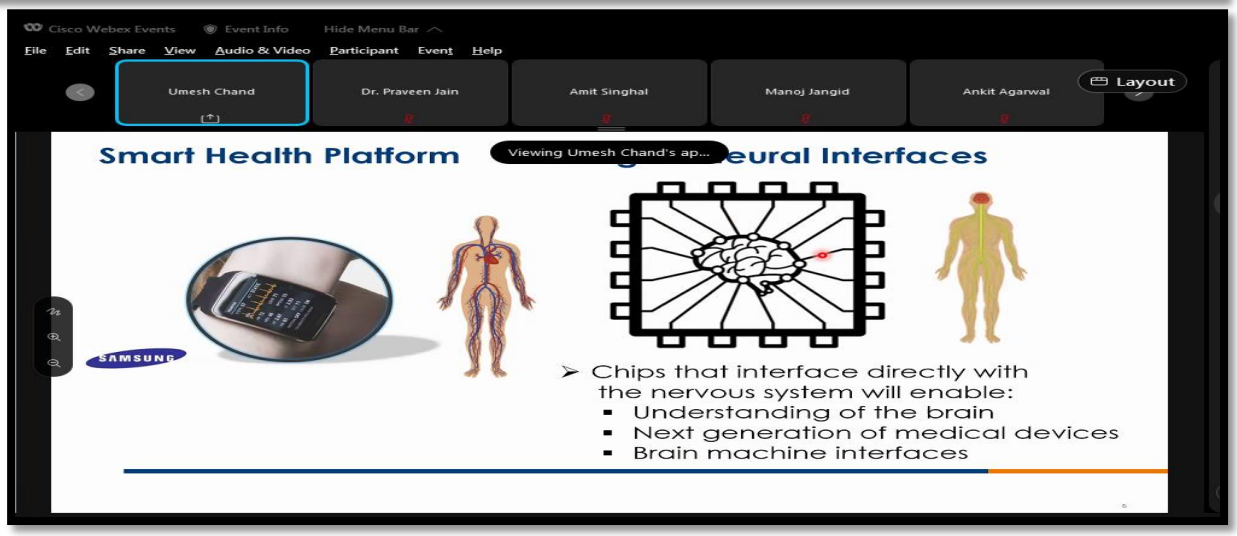
Umesh Chand
Dr. Praveen Jain
Amit Singhal
Manoj Jangid
Ankit Agarwal
Layout
Viewing Umesh Chand's ap...
A question of scale
Red blood cell: 8um
E-coli: 2um
Antibody: 12nm
DNA: 2nm
Micromirror: 8um
Micropillars: 2um
Finfet: 12nm
Nanopore: 5nm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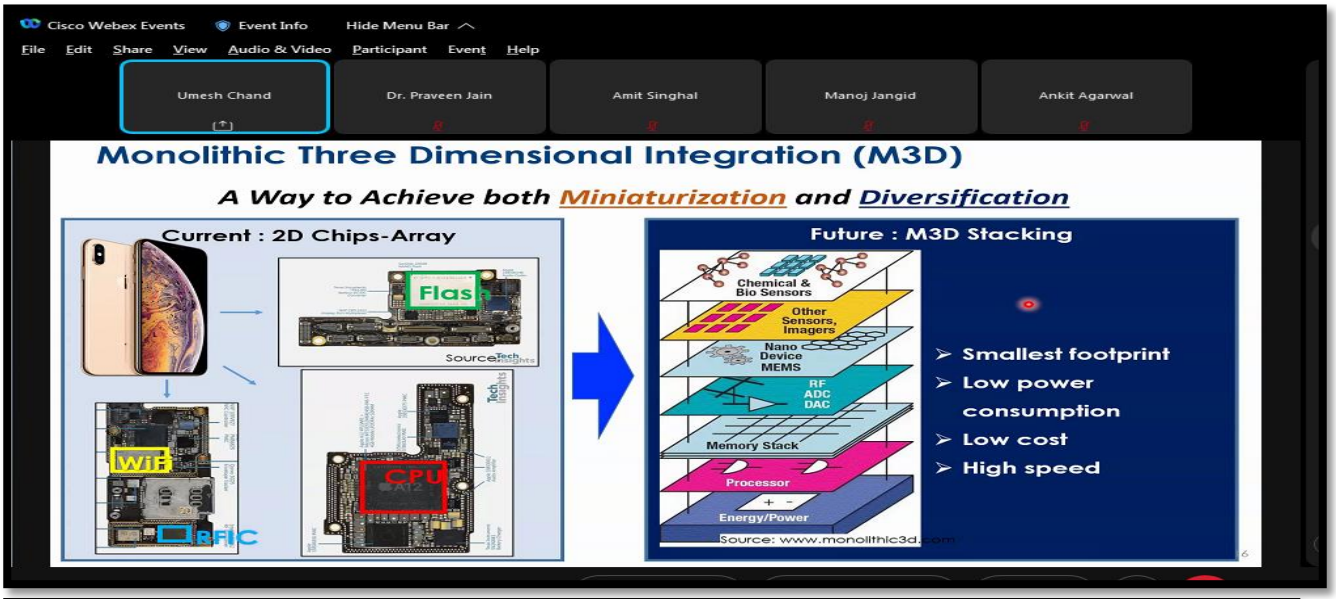
Umesh Chand
Dr. Praveen Jain
Amit Singhal
Manoj Jangid
Ankit Agarwal
Layout
Viewing Umesh Chand's ap...
Smart Health Platform
SAMSUNG
Chips that interface directly with the nervous system will enable:
Understanding of the brain
Next generation of medical devices
Brain machine interfaces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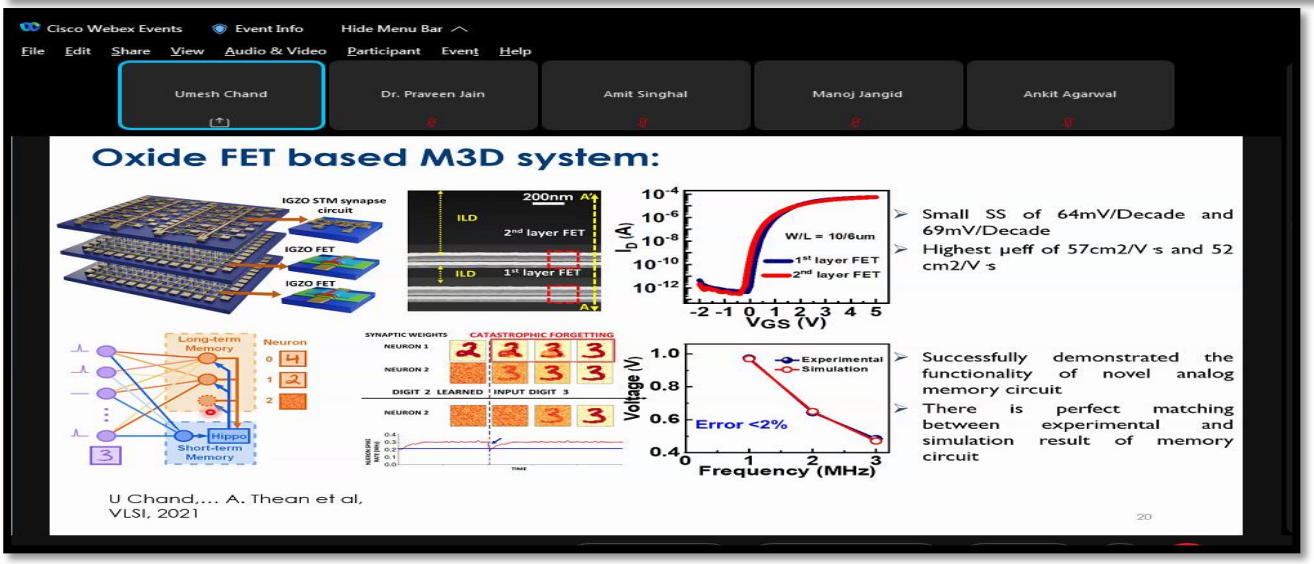
Umesh Chand
Dr. Praveen Jain
Amit Singhal
Manoj Jangid
Ankit Agarwal
Monolithic Three Dimensional Integration (M3D)
A Way to Achieve both Miniaturization and Diversification
Current : 2D Chips-Array
Flash
WiFi
RFIC
CPU
Future : M3D Stacking
Chemical & Bio Sensors
Other Sensors, Imagers
Nano Device MEMS
RF ADC DAC
Memory Stack
Processor
Energy/Power
Source: www.monolithic3d.com
Smallest footprint
Low power consumption
Low cost
High speed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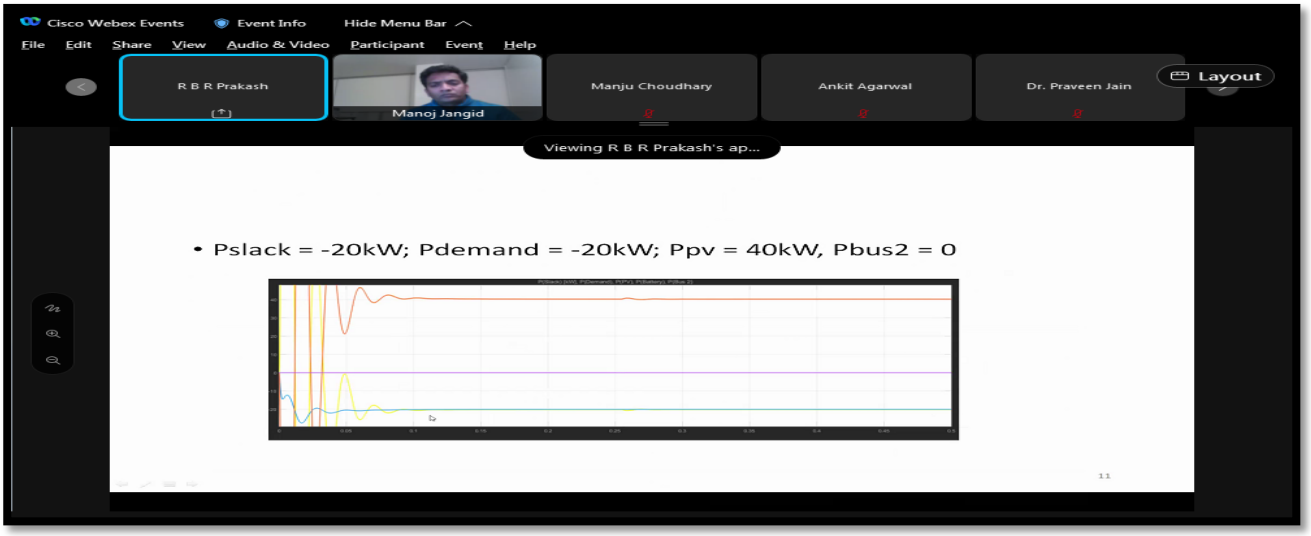
Umesh Chand
Dr. Praveen Jain
Amit Singhal
Manoj Jangid
Ankit Agarwal
Oxide FET based M3D system:
IGZO STM synapse circuit
IGZO FET
IGZO FET
200nm
ILD
2nd layer FET
ILD
1st layer FET
W/L = 10/6um
1st layer FET
2nd layer FET
VGS (V)
Small SS of 64mV/Decade and 69mV/Decade
Highest μeff of 57cm2/V·s and 52 cm2/V·s
Long-term Memory
Neuron
Hippo
Short-term Memory
SYNAPTIC WEIGHTS
CATASTROPHIC FORGETTING
NEURON 1
NEURON 2
DIGIT 2 LEARNED
INPUT DIGIT 3
NEURON 2
Experimental
Simulation
Error <2%
Voltage (V)
Frequency (MHz)
Successfully demonstrated the functionality of novel analog memory circuit
There is perfect matching between experimental and simulation result of memory circuit
U Chand,... A. Thean et al, VLSI, 2021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R B R Prakash
Manoj Jangid
Manju Choudhary
Ankit Agarwal
Dr. Praveen Jain
Layout
Viewing R B R Prakash's ap...
• Pslack = -20kW; Pdemand = -20kW; Ppv = 40kW, Pbus2 = 0


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Dr. Praveen Jain
GAGANDEEP SINGH WALIA
Suman Sharma
Manoj Jangid
Ankit Agarwal
Layout
Amit Singhal


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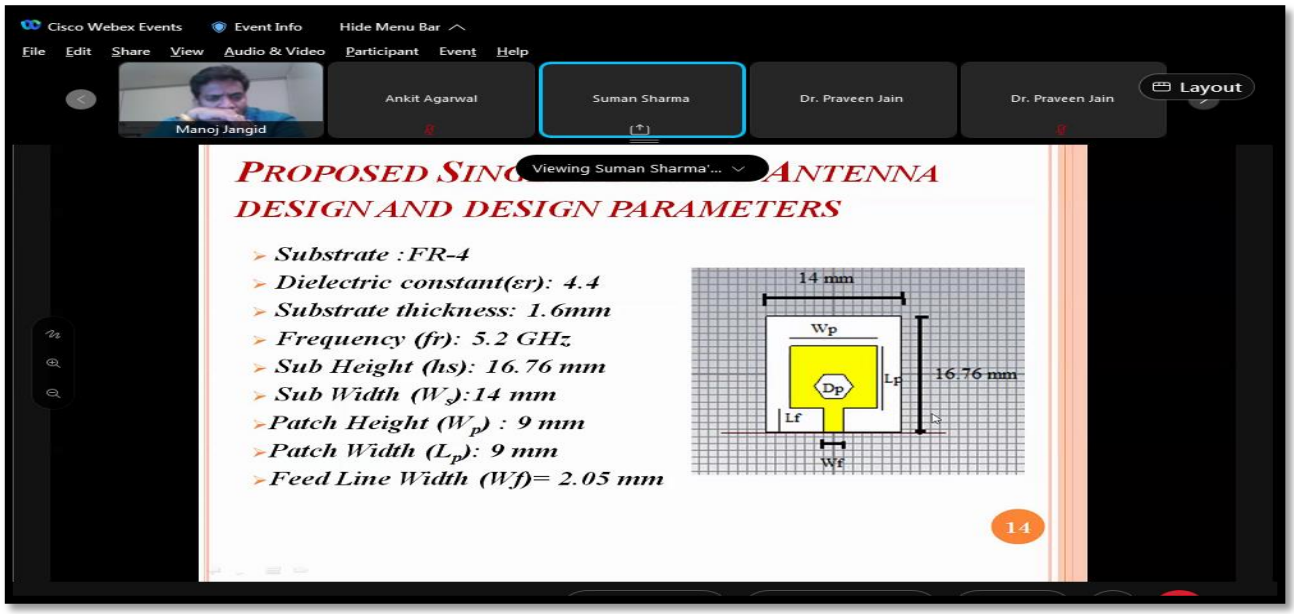
Manoj Jangid
Ankit Agarwal
Suman Sharma
Dr. Praveen Jain
Dr. Praveen Jain
RESULTS
Return Loss
Gain vs Freq
Efficiency
15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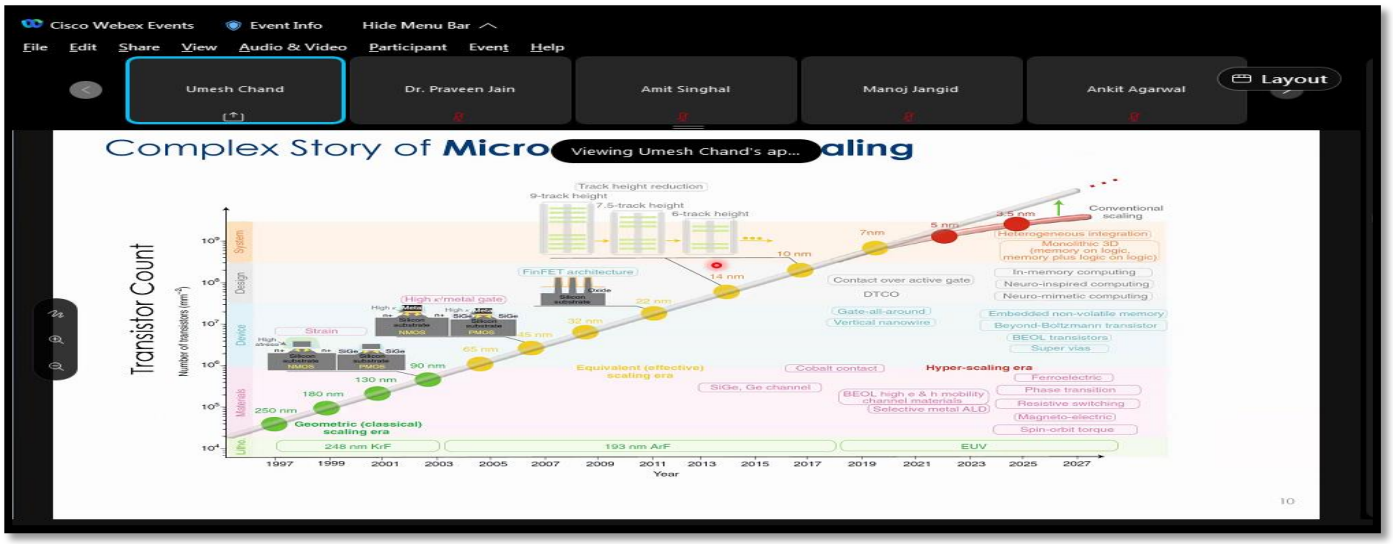
Manoj Jangid
Ankit Agarwal
Suman Sharma
Dr. Praveen Jain
Dr. Praveen Jain
Layout
Viewing Suman Sharma'...
PROPOSED SING ANTENNA
DESIGN AND DESIGN PARAMETERS
Substrate : FR-4
Dielectric constant(εr): 4.4
Substrate thickness: 1.6mm
Frequency (fr): 5.2 GHz
Sub Height (hs): 16.76 mm
Sub Width (Ws):14 mm
Patch Height (Wp) : 9 mm
Patch Width (Lp): 9 mm
Feed Line Width (Wf)= 2.05 mm
14 mm
Wp
Dp
Lp
16.76 mm
Lf
Wf
14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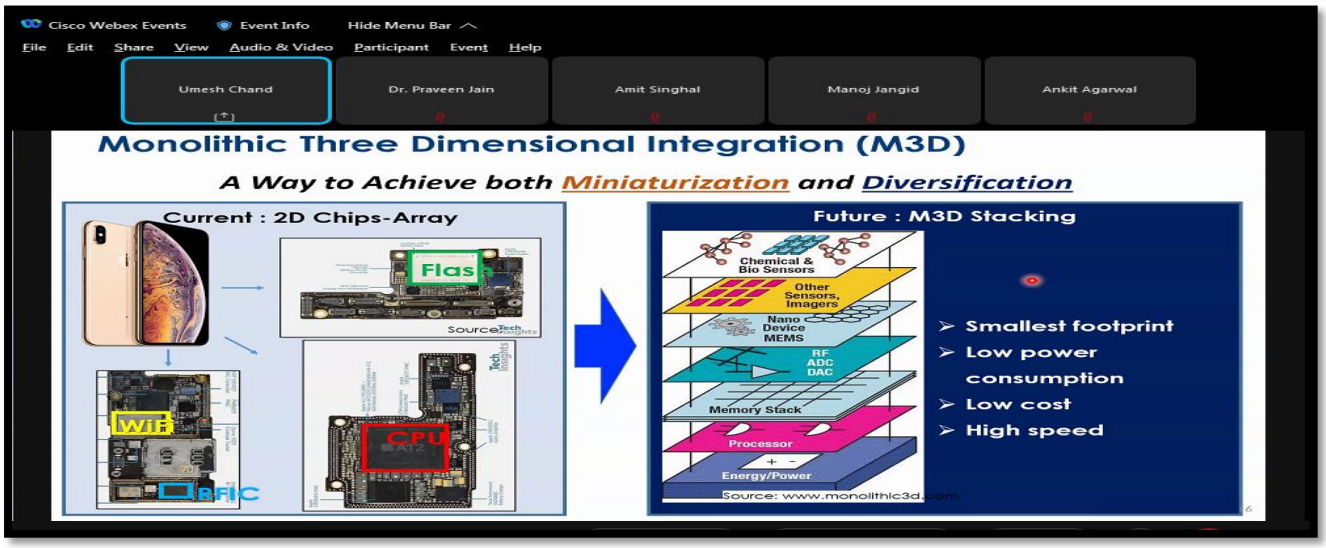
Umesh Chand
Dr. Praveen Jain
Amit Singhal
Manoj Jangid
Ankit Agarwal
Layout
Complex Story of Micro
Viewing Umesh Chand's ap...
aling
Transistor Count
Year
Geometric (classical) scaling era
Equivalent (effective) scaling era
Hyper-scaling era
248 nm KrF
193 nm ArF
EUV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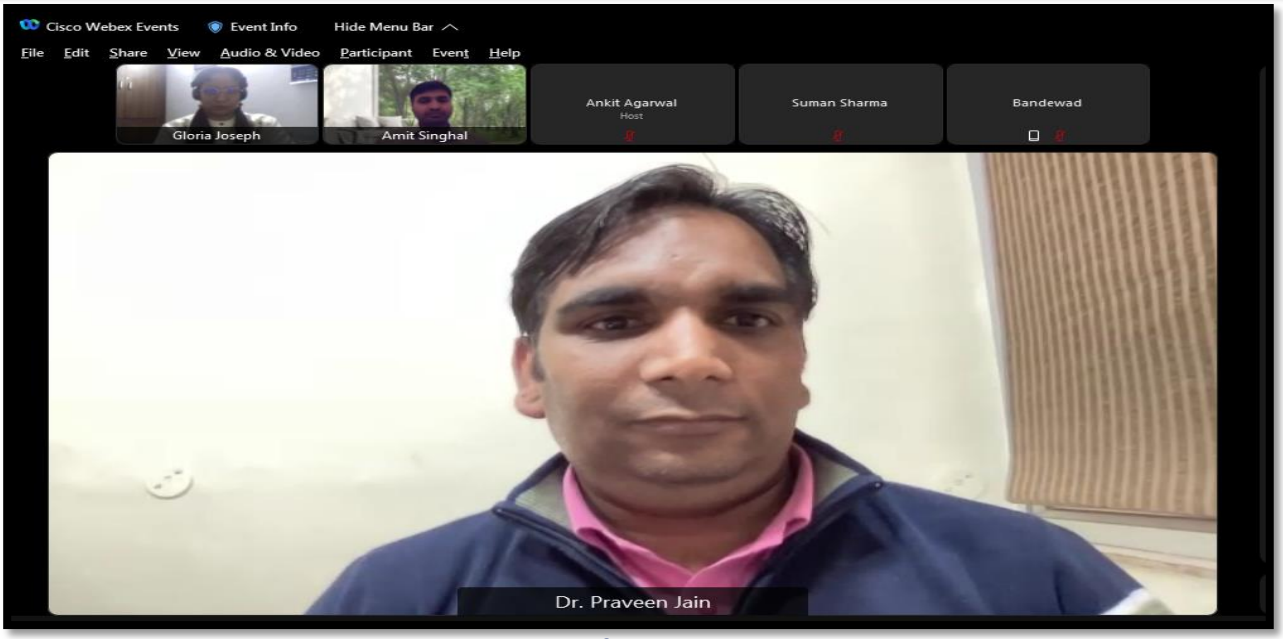
Umesh Chand
Dr. Praveen Jain
Amit Singhal
Manoj Jangid
Ankit Agarwal
Monolithic Three Dimensional Integration (M3D)
A Way to Achieve both Miniaturization and Diversification
Current : 2D Chips-Array
Flash
WiFi
CPU
RFIC
Future : M3D Stacking
Chemical & Bio Sensors
Other Sensors, Imagers
Nano Device MEMS
RF ADC DAC
Memory Stack
Processor
Energy/Power
Source: www.monolithic3d.com
Smallest footprint
Low power consumption
Low cost
High speed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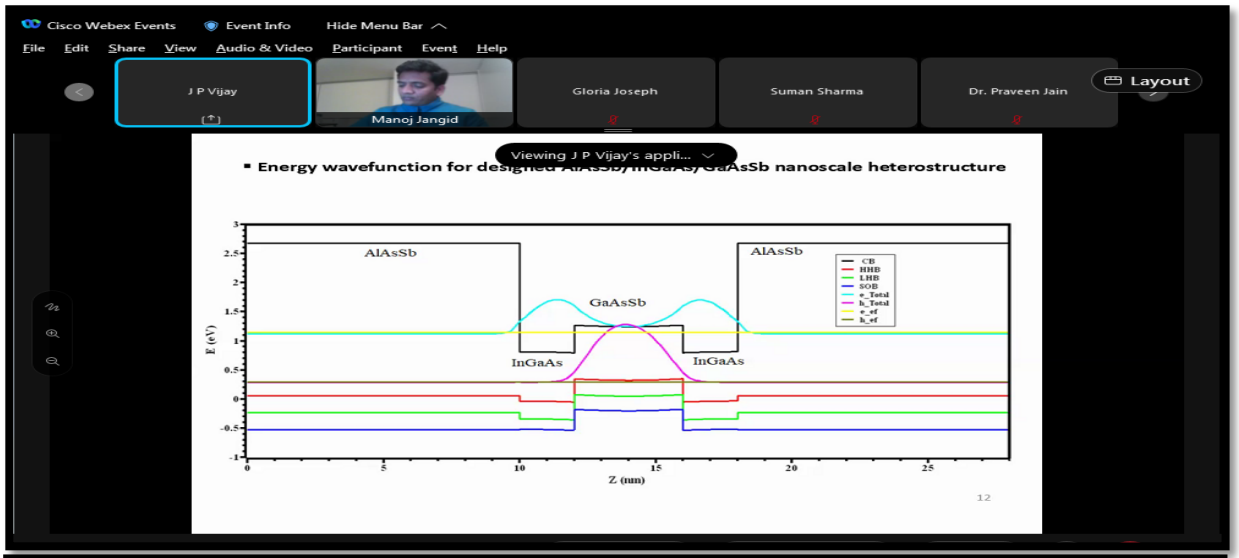
Gloria Joseph
Amit Singhal
Ankit Agarwal
Host
Suman Sharma
Bandewad
Dr. Praveen Jain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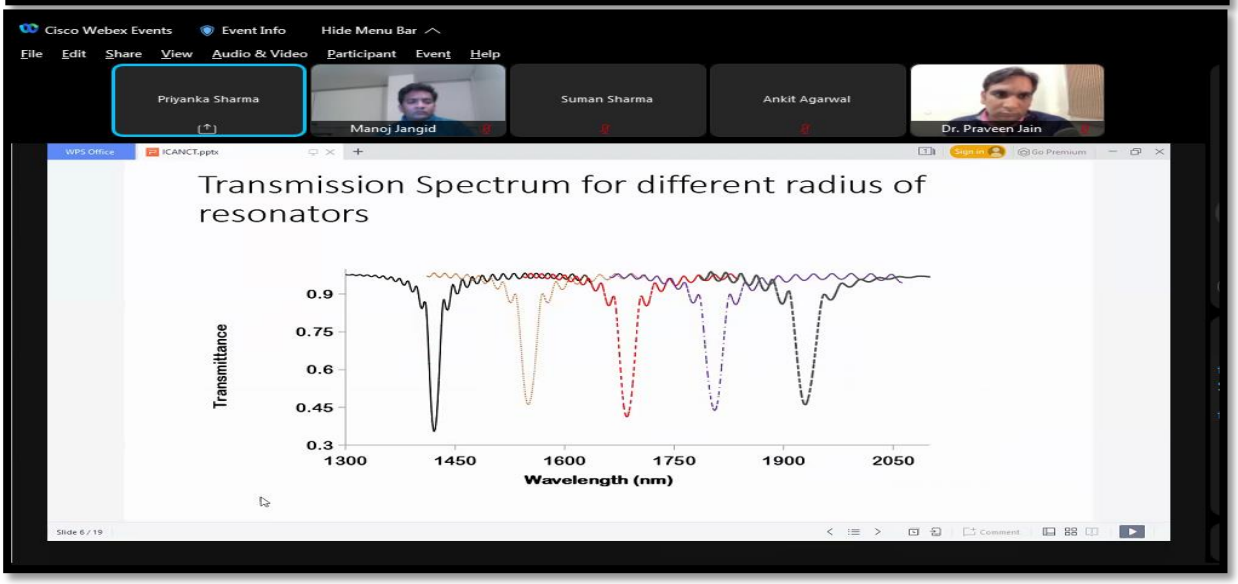
J P Vijay
Manoj Jangid
Gloria Joseph
Suman Sharma
Dr. Praveen Jain
Layout
Viewing J P Vijay's appli...
Energy wavefunction for designed AlAsSb/InGaAs/GaAsSb nanoscale heterostructure
AlAsSb
GaAsSb
InGaAs
AlAsSb
InGaAs
CB
HHB
LHB
SOB
e_Tetal
h_Tetal
e_rf
h_rf
E (eV)
Z (nm)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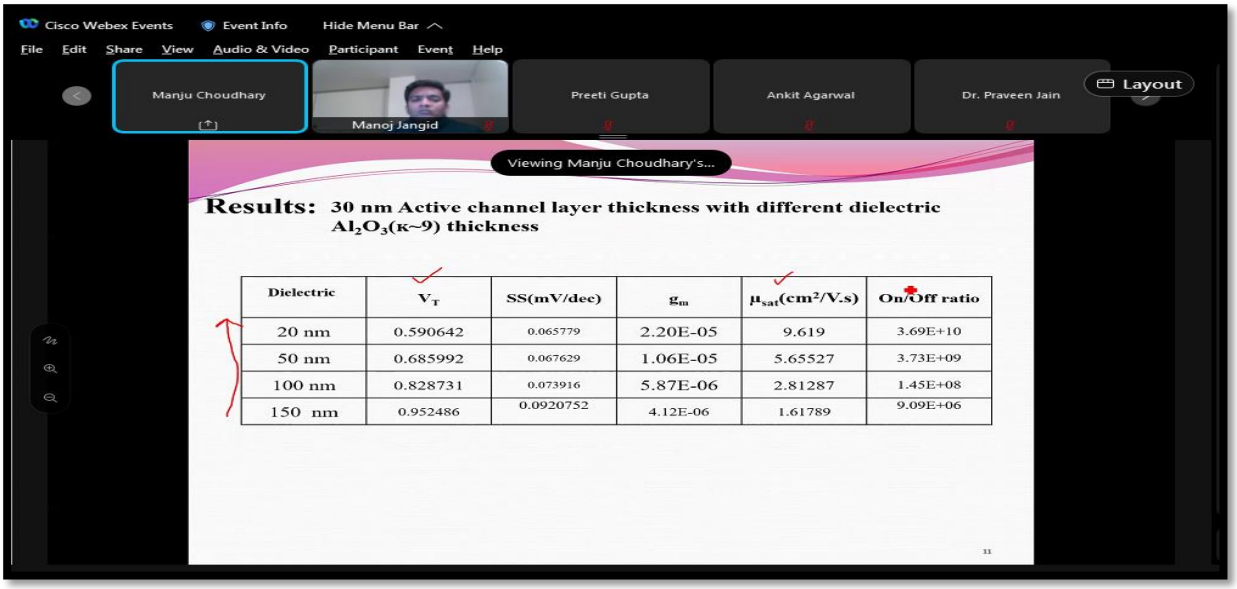
Priyanka Sharma
Manoj Jangid
Suman Sharma
Ankit Agarwal
Dr. Praveen Jain
WPS Office
ICANCT.pptx
Transmission Spectrum for different radius of resonators
Transmittance
Wavelength (nm)
Slide 6 / 19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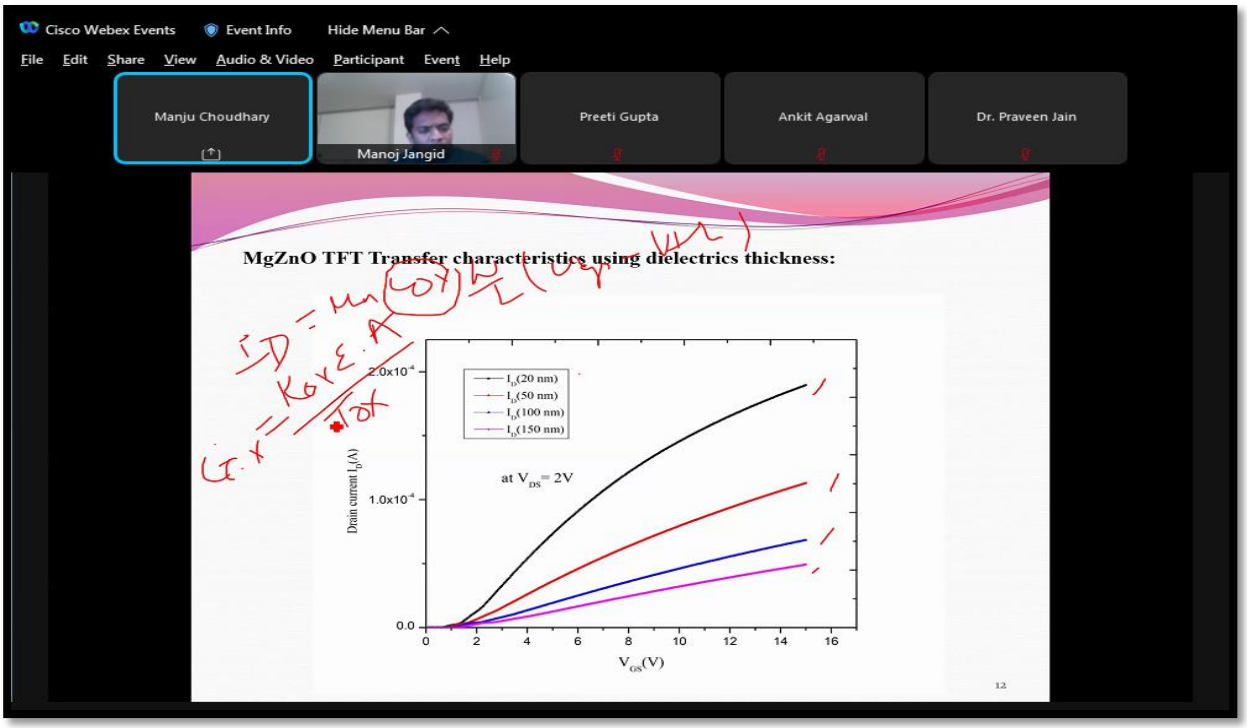
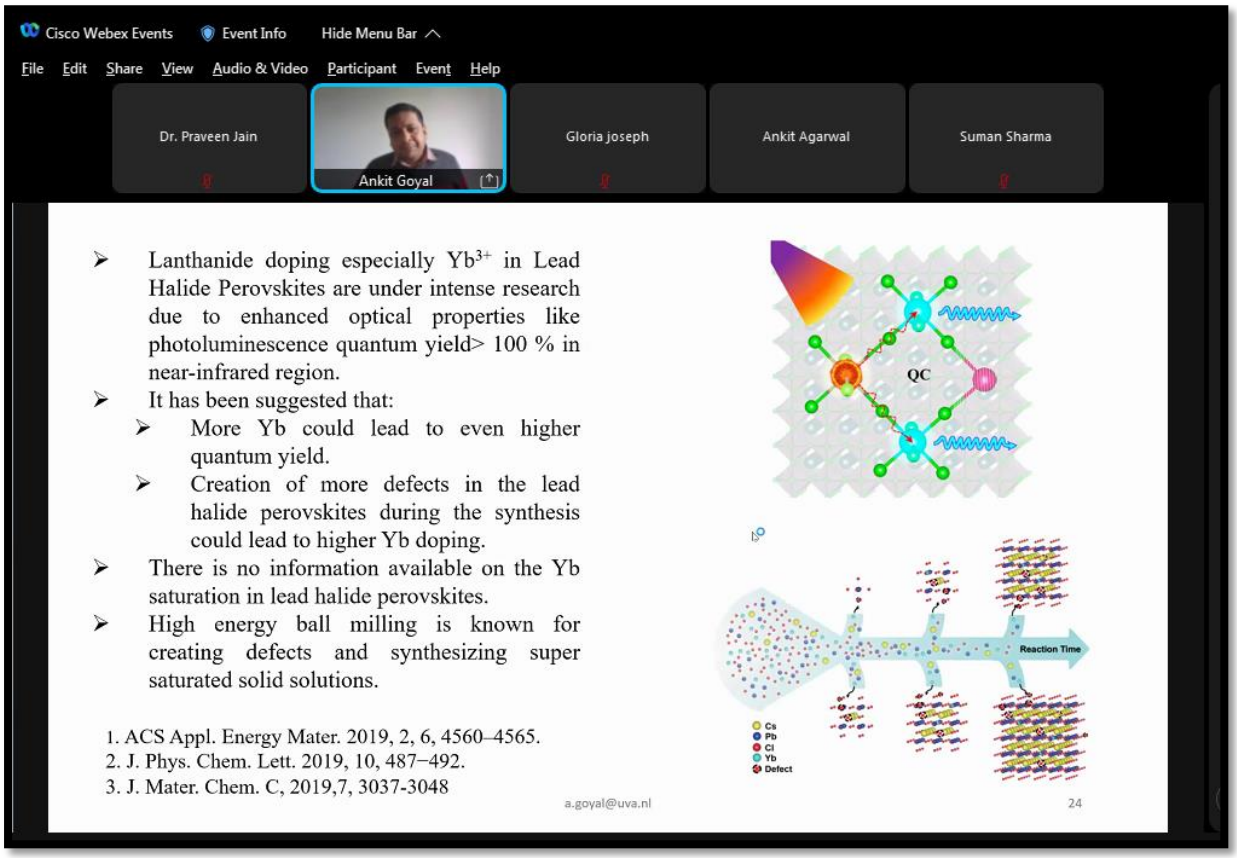
Manju Choudhary
Manoj Jangid
Preeti Gupta
Ankit Agarwal
Dr. Praveen Jain
Layout
Viewing Manju Choudhary's...
Results: 30 nm Active channel layer thickness with different dielectric Al2O3(κ~9) thickness
Dielectric
VT
SS(mV/dec)
gm
μsat(cm²/V.s)
On/Off ratio
20 nm 0.590642 0.065779 2.20E-05 9.619 3.69E+10
50 nm 0.685992 0.067629 1.06E-05 5.65527 3.73E+09
100 nm 0.828731 0.073916 5.87E-06 2.81287 1.45E+08
150 nm 0.952486 0.0920752 4.12E-06 1.61789 9.09E+06


Cisco Webex Events
Event Info
Hide Menu Bar
File Edit Share View Audio & Video Participant Event Help
Manju Choudhary
Manoj Jangid
Preeti Gupta
Ankit Agarwal
Dr. Praveen Jain
MgZnO TFT Transfer characteristics using dielectrics thickness:
I_D(20 nm)
I_D(50 nm)
I_D(100 nm)
I_D(150 nm)
at V_{DS} = 2V
Drain current I_D(A)
V_{GS}(V)
12


Cisco Webex Events
Event Info
Hide Menu Bar
File Edit Share View Audio & Video Participant Event Help
Dr. Praveen Jain
Ankit Goyal
Gloria joseph
Ankit Agarwal
Suman Sharma
Lanthanide doping especially Yb^{3+} in Lead Halide Perovskites are under intense research due to enhanced optical properties like photoluminescence quantum yield> 100 % in near-infrared region.
It has been suggested that:
More Yb could lead to even higher quantum yield.
Creation of more defects in the lead halide perovskites during the synthesis could lead to higher Yb doping.
There is no information available on the Yb saturation in lead halide perovskites.
High energy ball milling is known for creating defects and synthesizing super saturated solid solutions.
QC
Reaction Time
Cs
Pb
Cl
Yb
Defect
1. ACS Appl. Energy Mater. 2019, 2, 6, 4560–4565.
2. J. Phys. Chem. Lett. 2019, 10, 487−492.
3. J. Mater. Chem. C, 2019,7, 3037-3048
a.goyal@uva.nl
24

Sample Copy of Certificate

Best Paper Presentation Certificate

INTERNATIONAL CONFERENCE ON ADVANCEMENTS IN NANOELECTRONICS & COMMUNICATION TECHNOLOGIES (ICANCT-2022)

February 24-26, 2022

Best Paper Presentation

This is to certify that Mr. **SATISH THADANI** of **Sage University, Indore, MP** has received the best paper presentation award for presenting a paper titled as **"Applications of Graph Coloring in various fields"** in session 5 in the International Conference on "Advancements in Nanoelectronics and Communication Technologies" (ICANCT-2022) held on February 24-26, 2022 jointly organized by Department of Electronics & Communication Engineering, Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur (India) and Institution of Engineers (India), Rajasthan State Center, Jaipur in Association with CSIR-IMMT: InTEC-MAITRI, Bhubaneswar.

Sh. Jaipal Meel, Director | Dr. S. L. Surana, Director (Academics) | Dr. Ramesh K. Pachar, Principal | Dr. Mukesh Arora, Convener, ICANCT | Dr. Praveen K. Jain, Convener, ICANCT

Participation Certificate

INTERNATIONAL CONFERENCE ON ADVANCEMENTS IN NANOELECTRONICS & COMMUNICATION TECHNOLOGIES (ICANCT-2022)

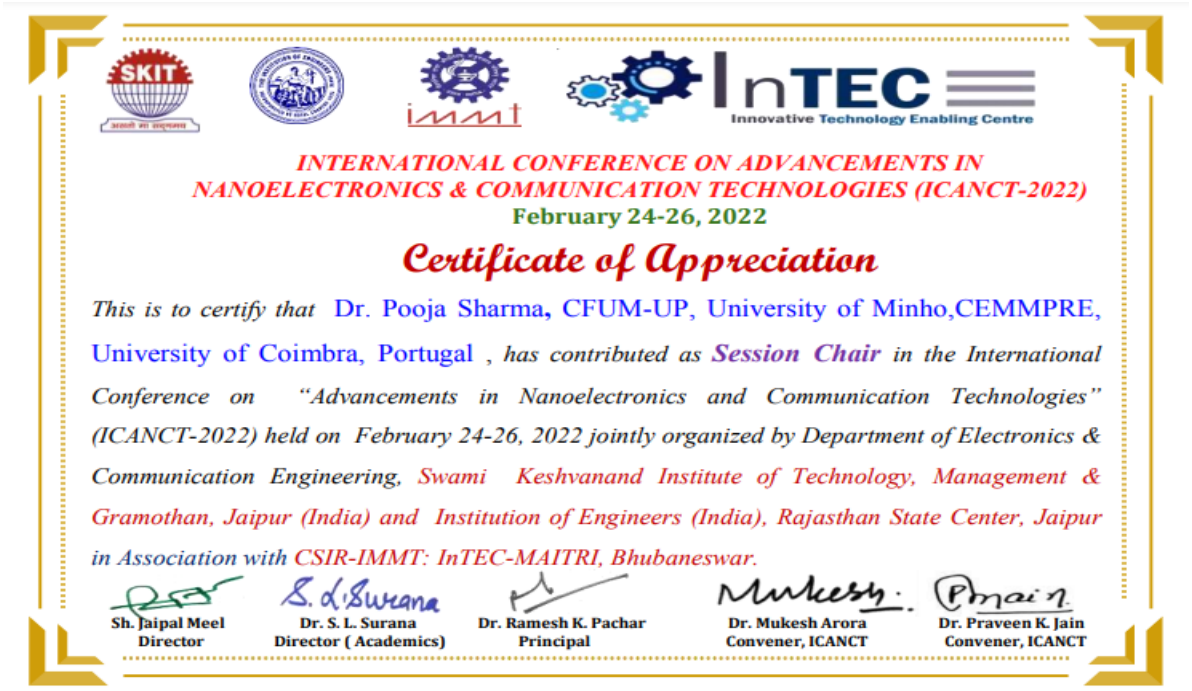
February 24-26, 2022

Certificate of Participation

This is to certify that **MS. SUMI KUMARI** of **University College of Engineering, Rajasthan Technical University, Kota** has participated and presented a paper on **"Engineering of Unique Co/Co3O4 core/shell Nanostructures for High Performance Supercapacitors"** in the International Conference on "Advancements in Nanoelectronics and Communication Technologies" (ICANCT-2022) held on February 24-26, 2022 jointly organized by Department of Electronics & Communication Engineering, Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur (India) and Institution of Engineers (India), Rajasthan State Center, Jaipur in Association with CSIR-IMMT: InTEC-MAITRI, Bhubaneswar.

Sh. Jaipal Meel, Director | Dr. S. L. Surana, Director (Academics) | Dr. Ramesh K. Pachar, Principal | Dr. Mukesh Arora, Convener, ICANCT | Dr. Praveen K. Jain, Convener, ICANCT

Session Chair Certificate



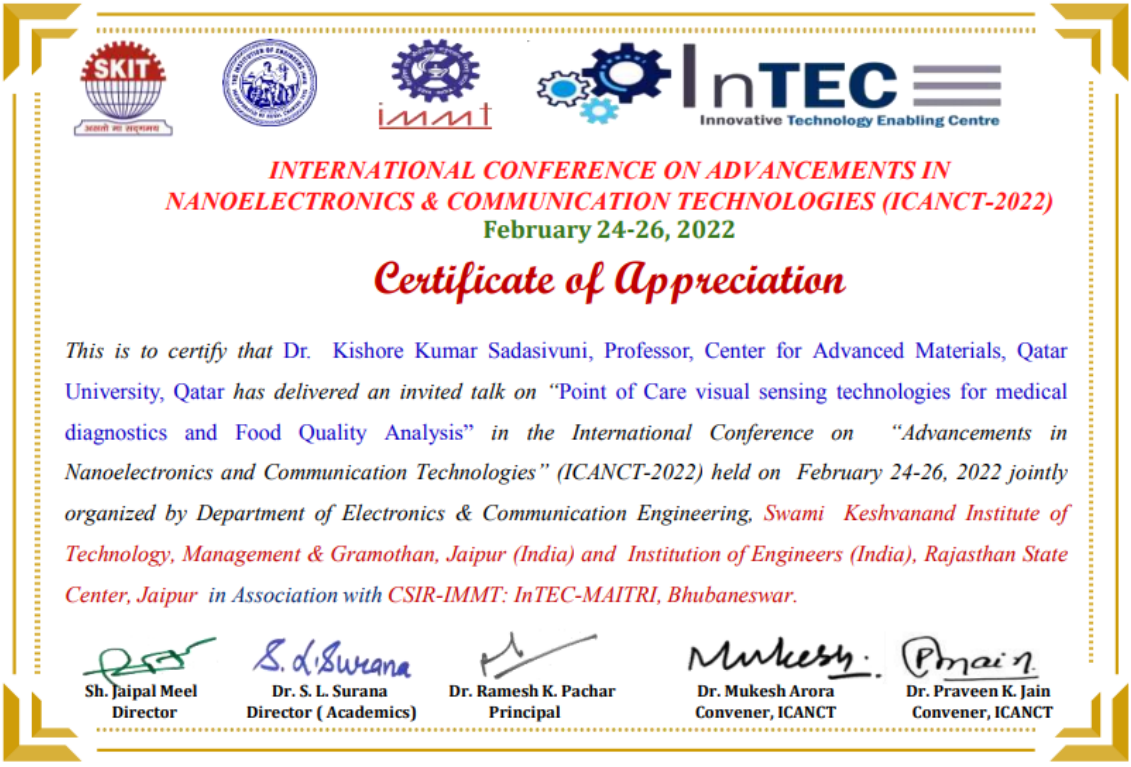
INTERNATIONAL CONFERENCE ON ADVANCEMENTS IN NANOELECTRONICS & COMMUNICATION TECHNOLOGIES (ICANCT-2022)
February 24-26, 2022

Certificate of Appreciation

This is to certify that Dr. Pooja Sharma, CFUM-UP, University of Minho,CEMMPRE, University of Coimbra, Portugal , *has contributed as* ***Session Chair*** *in the International Conference on "Advancements in Nanoelectronics and Communication Technologies" (ICANCT-2022) held on February 24-26, 2022 jointly organized by Department of Electronics & Communication Engineering, Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur (India) and Institution of Engineers (India), Rajasthan State Center, Jaipur in Association with CSIR-IMMT: InTEC-MAITRI, Bhubaneswar.*

Sh. Jaipal Meel, Director | Dr. S. L. Surana, Director (Academics) | Dr. Ramesh K. Pachar, Principal | Dr. Mukesh Arora, Convener, ICANCT | Dr. Praveen K. Jain, Convener, ICANCT

Invited Talk Certificate



INTERNATIONAL CONFERENCE ON ADVANCEMENTS IN NANOELECTRONICS & COMMUNICATION TECHNOLOGIES (ICANCT-2022)
February 24-26, 2022

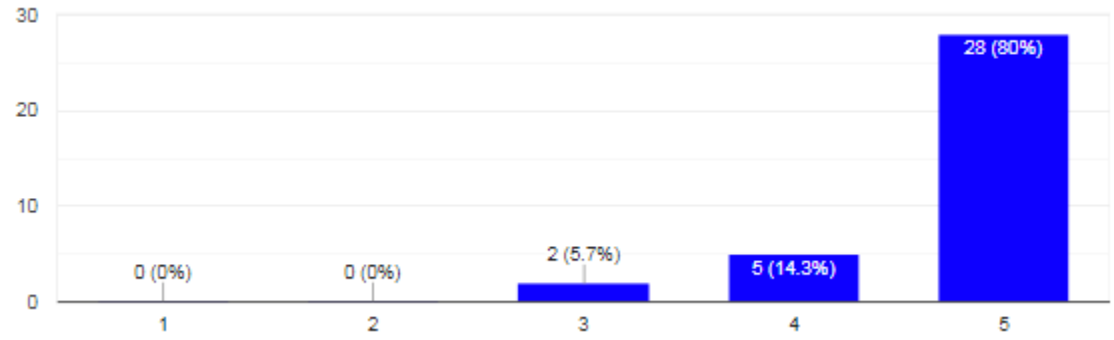
Certificate of Appreciation

This is to certify that Dr. Kishore Kumar Sadasivuni, Professor, Center for Advanced Materials, Qatar University, Qatar *has delivered an invited talk on* "Point of Care visual sensing technologies for medical diagnostics and Food Quality Analysis" *in the International Conference on "Advancements in Nanoelectronics and Communication Technologies" (ICANCT-2022) held on February 24-26, 2022 jointly organized by Department of Electronics & Communication Engineering, Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur (India) and Institution of Engineers (India), Rajasthan State Center, Jaipur in Association with CSIR-IMMT: InTEC-MAITRI, Bhubaneswar.*

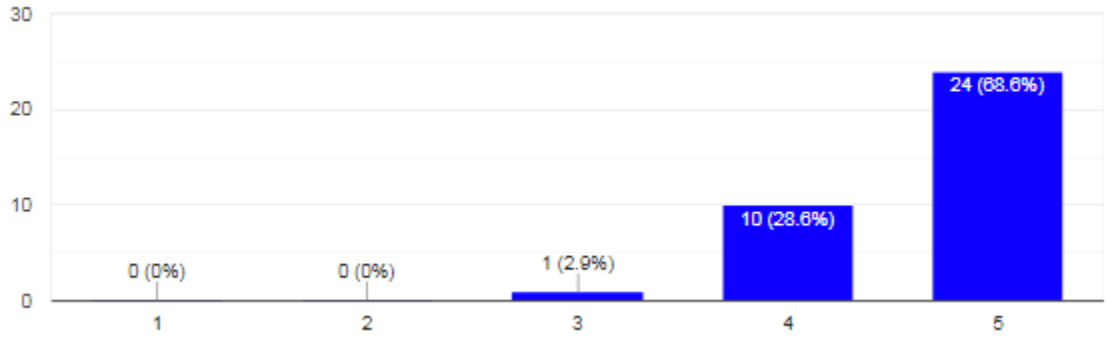
Sh. Jaipal Meel, Director | Dr. S. L. Surana, Director (Academics) | Dr. Ramesh K. Pachar, Principal | Dr. Mukesh Arora, Convener, ICANCT | Dr. Praveen K. Jain, Convener, ICANCT

Feedback report

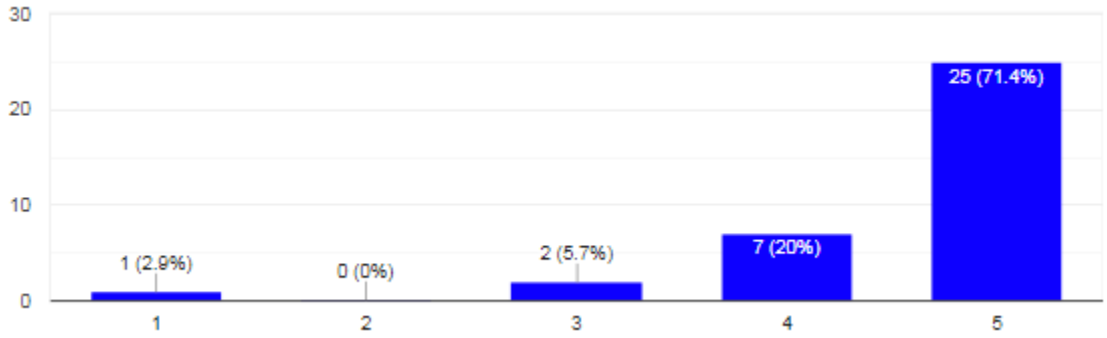
1. Your experience about the International Conference.



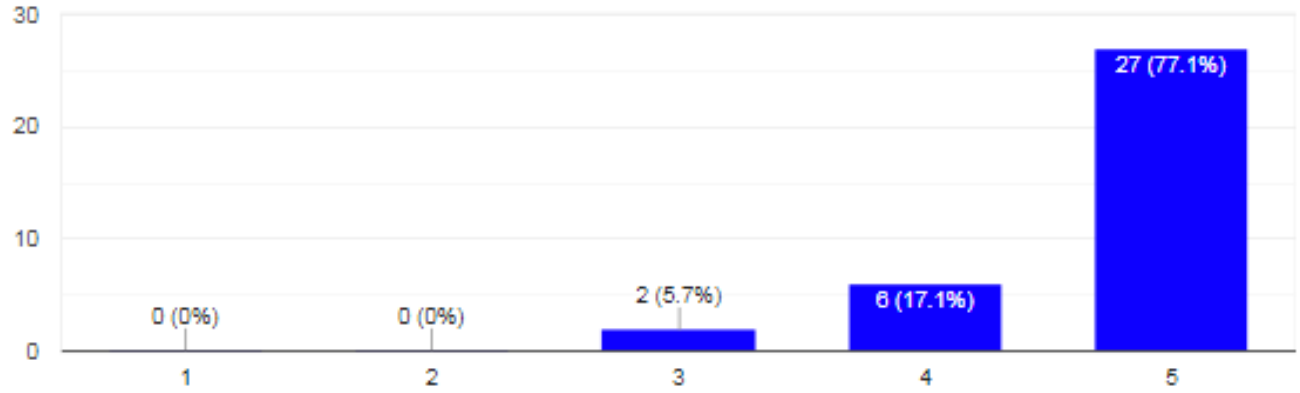
2. Overall, how do you rate the program you attended in terms of usefulness and effectiveness?



3. How do you rate the content of the Conference?



4. About speakers of Conference



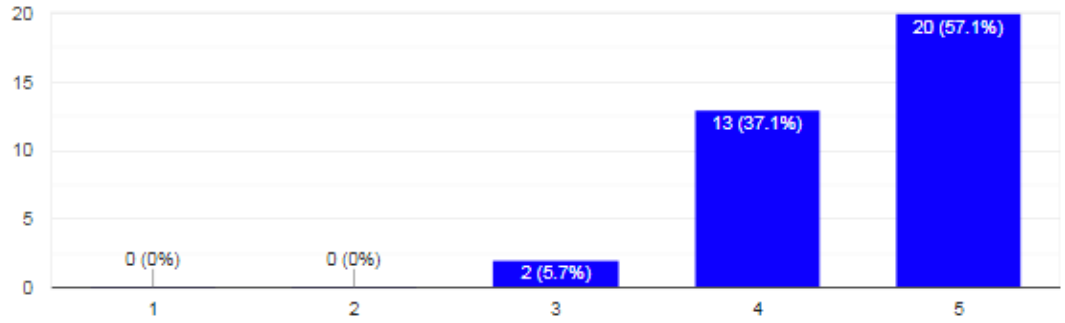
5. Knowledge gained by the conference

good
How to do next level of my work related to Research
new research work in materials technology
Very knowledgable and well systematic
Different research areas
Motivate to research more.
Invited talks given by experts
Various other multidisciplinary application of nano-Science is exposed.
Recent Advancements in the domain

6. Topic that can be covered in the next conference?

Ternary Logic, GNRFET, CNTFET, On-chip Interconnects, and Through Silicon Vias
MVL logics
Nano Antennas
Automation
VLSI signal processing
Application of nano Technology in Communication System
IoT and Machine Learning
Nano Electronics
Solar Energy

7. Relevancy of topics



8. How do you plan to share the gained knowledge/skill with your colleagues who did not attend the program?

I will communicate the material proceedings of my paper and ask them to submit for next conference
We can use it in our research work
By conducting internal fdp
Give them a seminar
good
By sharing the details of conference
I can share my experience how the lectures are go a head and how the participants gave their presentations which topics the presentations are take place
By telling them

9. The most liked Session is:

1st day session
Umesh sir
2nd day session-2
Umesh chand
Dr. Tawfik Ismail
Speaker
Invited Talk Dr. Ankit Goel
Session 2 of day 2
Dr Umesh CHand, Singapore

10. Suggestions

offline conference
Excellent conference
excellent
Organize an international conference based on cyber security
share the ppt and contact details of all speakers at my mail id viveksec@gmail.com
Organise in future such conference as well
Very good conference in future i want to join this conference in offline mode

Media Coverage

एसकेआइटी में तीन दिवसीय कॉन्फ्रेंस शुरू

देशभर के विशेषज्ञों ने कॉन्फ्रेंस में रखे विचार

पत्रिका plus रिपोर्टर

जयपुर. स्वामी केशवानंद इंस्टीट्यूट ऑफ टेक्नोलॉजी में एडवांसमेंट्स इन नैनो इलेक्ट्रॉनिक्स एंड कम्युनिकेशन टेक्नोलॉजी पर तीन दिवसीय इंटरनेशनल कॉन्फ्रेंस का उद्घाटन ऑनलाइन मोड में आयोजित किया गया। यह एसकेआइटी और इंस्टीट्यूशन ऑफ इंजीनियर्स (इंडिया) राजस्थान स्टेट सेंटर की ओर से सीएसआइआर - आइएमएमटी: इनटेक भुवनेश्वर के सहयोग से किया गया। उद्घाटन समारोह में मुख्य अतिथि दीप जरीवाला, विशिष्ट अतिथि किशोर कुमार सदाशिवुनी, आयसेगुल, गुंजन सक्सेना और प्रो. टी पवन कुमार उपस्थित रहे। शुरुआत में संस्था के एकेडमिक डायरेक्टर एस.एल. सुराणा ने सभी अतिथियों का स्वागत किया।

नैनो इलेक्ट्रॉनिक्स पर कांफ्रेंस शुरू

खबरों की दुनिया

जयपुर। स्वामी केशवानंद इंस्टीट्यूट ऑफ टेक्नोलॉजी में एडवांसमेंट्स इन नैनो इलेक्ट्रॉनिक्स एंड कम्युनिकेशन टेक्नोलॉ बीवीजी पर तीन दिवसीय अंतर्राष्ट्रीय कॉन्फ्रेंस का उद्घाटन समारोह ऑनलाइन मोड में आयोजित किया गया । सम्मेलन का आयोजन संयुक्त रूप से एस.के.आई.टी.जयपुर और इंस्टीट्यूशन ऑफ इंजीनियर्स (इंडिया) राजस्थान स्टेट सेंटर, जयपुर द्वारा सीएसआईआर - आईएमएमटीः इनटेक भुवनेश्वर के सहयोग से किया जा रहा है। कार्यक्रम के उद्घाटन समारोह में मुख्य अतिथि डॉ. दीप जरीवाला, विशिष्ट अतिथि डॉ. किशोर कुमार सदाशिवुनी, डॉ. आयसेगुल, गुंजन सक्सेना, और प्रो टी पवन कुमार उपस्थित रहे। कार्यक्रम की शुरुआत में संस्था के एकेडमिक डायरेक्टर डॉ. एस.एल. सुराणा ने सभी अतिथियों का स्वागत किया और सम्मेलन की विषय वस्तु के बारे में जानकारी दी। उन्होंने वर्तमान परिदृश्य में नैनो इलेक्ट्रॉनिक्स के महत्व और प्रासंगिकता पर जोर दिया। गुंजन सक्सेना ने सम्मेलन के मुख्य उद्देश्यों द्वारा प्रस्तावित योजनाओं पर प्रकाश डाला। प्रो. टी. पवन कुमार ने मैत्री प्रोग्राम की पहल पर प्रकाश डाला। डॉ. जरीवाला ने संबंधित क्षेत्र में उभरते अनुसंधान और तकनीक के साथ पार्टिसिपेंट्स को प्रबुद्ध किया और इस बात पर प्रकाश डाला कि कैसे नैनोइलेक्ट्रॉनिक्स मानव जीवन को आरामदायक बना रहा है और संचार प्रौद्योगिकियां कुछ मिलीसेकंड में अल्ट्रा-फास्ट डेटा ट्रांसफर के साथ दुनिया का नेतृत्व कर रही हैं। डॉ. किशोर कुमार सदाशिवुनी ने विभिन्न प्रकार के नैनो सेंसर पर प्रकाश डाला। उन्होंने हाल ही में अपनी लैब में किए जा रहे कार्यों के बारे में चर्चा की।

एसकेआईटी मे तीन दिवसीय अंतर्राष्ट्रीय कॉन्फ्रेंस का उद्घाटन समारोह

P3 Police Public Politics

जयपुर ! स्वामी केशवानंद इंस्टीट्यूट ऑफ टेक्नोलॉजी, मैनेजमेंट एंड ग्रामोथन जयपुर में ÷एडवांसमेंट्स इन नैनो इलेक्ट्रॉनिक्स एंड कम्युनिकेशन टेक्नोलॉजी÷ पर तीन दिवसीय अंतर्राष्ट्रीय कॉन्फ्रेंस का उद्घाटन समारोह ऑनलाइन मोड में आयोजित किया गया । सम्मेलन का आयोजन संयुक्त रूप से एस.के.आई.टी.जयपुर और इंस्टीट्यूशन ऑफ इंजीनियर्स (इंडिया), राजस्थान स्टेट सेंटर, जयपुर द्वारा सीएसआईआर - आईएमएमटी÷ इनटेक भुवनेश्वर के सहयोग से किया जा रहा है। कार्यक्रम के उद्घाटन समारोह में मुख्य अतिथि डॉ. दीप जरीवाला, (प्रिंसिपल इन्वेस्टिगेटर, डिवाइस रिसर्च एंड इंजीनियरिंग लेबोरेटरी, यूनिवर्सिटी ऑफ पेनसिल्वेनिया, फिलाडेल्फिया, संयुक्त राज्य अमेरिका), विशिष्ट अतिथि डॉ. किशोर कुमार सदाशिवुनी (प्रोफेसर, सेंटर फॉर एडवांस्ड मटेरियल कतर यूनिवर्सिटी), डॉ. आयसेगुल उयगुन ह्यर्स्लं, (प्रोफेसर, सुलेमान डेमिरल विश्वविद्यालय, तुर्की), श्री गुंजन सक्सेना, (अध्यक्ष, आईई (आई) राजस्थान राज्य केंद्र) और प्रो टी पवन कुमार, (वरिष्ठ वैज्ञानिक, सीएसआईआर-आईएमएमटी) उपस्थित रहे। कार्यक्रम की शुरुआत में संस्था के एकेडमिक डायरेक्टर डॉ. एस.एल. सुराणा ने सभी अतिथियों का स्वागत किया और सम्मेलन की विषय वस्तु के बारे में जानकारी दी। उन्होंने वर्तमान परिदृश्य में नैनो इलेक्ट्रॉनिक्स के महत्व और प्रासंगिकता पर जोर दिया। श्री गुंजन सक्सेना ने सम्मेलन के मुख्य उद्देश्यों और ढ्ढश्व(ढ्ढ) द्वारा प्रस्तावित योजनाओं पर प्रकाश डाला।

प्रो. टी. पवन कुमार ने MAITRI प्रोग्राम की पहल पर प्रकाश डाला। डॉ. जरीवाला ने संबंधित क्षेत्र में उभरते अनुसंधान और तकनीक के साथ पार्टिसिपेंट्स को प्रबुद्ध किया और इस बात पर प्रकाश डाला कि कैसे नैनोइलेक्ट्रॉनिक्स मानव जीवन को आरामदायक बना रहा है

और संचार प्रौद्योगिकियां कुछ मिलीसेकंड में अल्ट्रा-फास्ट डेटा ट्रांसफर के साथ दुनिया का नेतृत्व कर रही हैं। डॉ. किशोर कुमार सदाशिवुनी ने विभिन्न प्रकार के नैनो सेंसर पर प्रकाश डाला। उन्होंने हाल ही में अपनी लैब में किए जा रहे कार्यों के बारे में चर्चा की। उन्होंने मधुमेह के निदान के लिए एक्सहेल्ड ब्रीथ बायोमार्कर और पसीने से ग्लूकोज का पता लगाने के लिए पहनने योग्य त्वचा पैच का उदाहरण दिया। उद्घाटन समारोह के अंत में, विभागाध्यक्ष डॉ. मुकेश अरोड़ा ने धन्यवाद ज्ञापित किया। डॉ. आयसेगुल ने रासायनिक माइक्रो-मोटर्स के डिजाइन विधियों को प्रस्तुत किया। रिसर्च पेपर प्रस्तुति के पहले सत्र की सेशन चेयर डॉ. पूजा शर्मा, सीएफयूएम-यूपी, मिन्हो विश्वविद्यालय, सीईएमएमपीआरई, कोयमबरा विश्वविद्यालय, पुर्तगाल ने की। इस सम्मेलन के पहले दिन कुल 10 शोधपत्र प्रस्तुत किए गए। उद्घाटन सत्र का संचालन ग्लोरिया जोसेफ ने किया