

Newsletters of MCCS-2017

Indian Society for VLSI Education (ISVE) & Institutions of Electronics & Telecommunication Engineers (IETE) Ranchi Centre have organized two days 2nd International Conference on **Microelectronics, Computing & Communication Systems (MCCS-2017)** on 13-14th May-2017 at ARTTC, BSNL near Jumar River Bridge, Hazaribag Road, Ranchi. **Prof. R. K. Pandey**, Vice-Chancellor, Ranchi University Ranchi was the **Chief Guest** of Inaugural session of the two days program. He demonstrated the audience and he was pleased with excellent activities & international publications of ISVE & IETE Ranchi centre and he also announced for the building to IETE Ranchi centre in Ranchi University Campus with MoU between IETE Ranchi Centre & Ranchi University Ranchi. IETE will provide the free technical knowledge base support to Ranchi University students, faculties and staff members and wards.



Photographs of Inaugural session of MCCS-2017 address the gathering by Chief Guest Dr. R.K. Pandey, Vice-Chancellor Ranchi University, Ranchi (From left Dr. R.K. Pandey, Dr. P.R. Thakura, Smt Saroj Jha, Dr. Vijay Nath, Dr. R.K. Singh, Dr. A.A. Khan, Dr. K.K. Thakur, Sh. Ajay Kumar).

Lt. Gen (Dr.) A.K.S. Chandelle, PVSM,AVSM(Retd), President IETE New Delhi gave the thanks to all participants, organizers, media persons, delegates and invitees eminent speakers. **Prof. A.A. Khan**, Former Vice-Chancellor, Ranchi University Ranchi & Former Chairman IETE Ranchi Centre was the **Guest of Honor** in two days technical program. He demonstrated the audience and give the idea how to write, publish paper in high impact journal and book series. He also explained the utility and scope of nano technology today and near future. **Dr. K.K. Thakur**, CGMT, ARTTC BSNL Ranchi was the **Guest of Honor** in two days technical conference. He was pleased to acknowledge that IETE & ISVE organizing such valuable conference in BSNL campus. He assured all types of help in his campus. He explained about applications of 5G & 6G plan and its utility.



Photographs of Inaugural session of MCCS-2017 during proceeding opening ceremony (From Left Dr. Vijay Nath, Dr. R.K. Singh, Dr. A.A. Khan, Dr. K.K. Thakur, Dr. R.K. Pandey, Sh. Ajay Kumar, Dr. A. Srinivasulu, Dr. Raj Kumar Singh).

Dr. R.K. Singh, Former Professor, Ranchi University Ranchi & Former Chairman IETE Ranchi Centre was the **Guest of Honor** of two days session and he was happy to see the activities of ISVE & IETE. He told in near future it will best technical forum for Jharkhand. **Sh. Sanjay Jha**,

Executive Chief Engineer Govt. of Jharkhand & Past Chairman IETE Ranchi Centre was the **Guest of Honor**. He demonstrated that now IETE & ISVE Ranchi is best technical forum where not only India, abroad researchers, scientists and professors are contributing his/ her ideas happily and their ideas published in high impact journal like **Microsystem Technologies** and book series like **LNEE (Lecture Notes on Electrical Engineering) of Springer & IETE Journals** from 2015. From my Chairmanship four major programs are continuously running (NCCS-2015, MCCS-2015, SSDVD-2015, WSDVD-2015) by IETE Ranchi centre in Strong support of ISVE Ranchi & ARTTC BSNL Ranchi. I hope it will continue in near future also. He also offers the project and challenges of Jharkhand Govt. He demonstrated the problems and offer to researchers for solutions where Jharkhand Govt ready to sanction the grant for challenging task.



Photographs of Inaugural session of MCCS-2017 during CD opening ceremony (From Left Dr. Vijay Nath, Dr. R.K. Singh, Dr. A.A. Khan, Dr. K.K. Thakur, Dr. R.K. Pandey, Sh. Ajay Kumar, Dr. A. Srinivasulu, Dr. Raj Kumar Singh).

Sh. Ajay Kumar, AGM(Admin) ARTTC BSNL Ranchi & Chairman IETE Ranchi Centre have welcomed to all the participants, delegates, speakers, members on the dais and off the dais, reviewers, technical session chairman, session chair persons, advisory board members, Govt. of Jharkhand, media persons etc. He also assured to all the participants for arrangement and takes care in ARTTC campus. **Sh. Prasad Vijay Bhushan Pandey**, DOT Term Cell1, ARTTC BSNL Ranchi & Chairman ISVE Ranchi welcomed to all the members of the conference, organizing committee members and invitees. **Dr. A. Srinivasulu**, Vignan's University, Guntur (A.P.) was the **Keynote Speaker** of two days technical session. In his key note lecture he demonstrated the generation of ICs and applications of electronics and its advancement in human life. **Dr. Vijay Nath** (BIT Mesra Ranchi), Secretary IETE Ranchi Centre & General Chair of MCCS-2017 explained the details activities of conference publication program and peer review process.



Photographs of Inaugural session of MCCS-2017 welcome address by Sh. Ajay Kumar Chairman IETE Ranchi (From Left Sh. Ajay Kumar, Smt Saroj Jha, Dr. Anand Kumar Thakur, Dr. Vijay Nath, Mr. H. Kar, Dr. R.K. Singh, Dr. A A. Khan, Dr. K.K. Thakur, Dr. R.K. Singh, Dr. A. Srinivasulu, Dr. Raj Kumar Singh)



Photographs of Inaugural session of MCCS-2017 of audience



Dr. Vijay Nath(BIT Mesra) General Chair of MCCS-2017 facilitating with memento to Chief Guest Dr. R.K. Pandey Vice-chancellor Ranchi University Ranchi with Dr. K.K. Thakur, CGMT, BSNL Jharkhand.



Dr. Raj Kumar Singh (RLSYC RU) Convener of MCCS-2017 facilitating with memento to Guest of Honor Dr. K.K. Thakur (CGMT BSNL Ranchi).



Dr. Vijay Nath(BIT Mesra) General Chair of MCCS-2017 facilitating with memento to Guest of Honor Dr. A.A. Khan, Former Vice-chancellor Ranchi University Ranchi & Former Chairman IETE Ranchi Centre.



Dr. Arun Kumar (Ranchi University), Executive Committee Member of MCCS-2017 is facilitating with buckeye to Guest of Honor Dr. R.K. Singh Former Chairman IETE Ranchi Centre.



Dr. Vijay Nath(BIT Mesra) General Chair of MCCS-2017 facilitating with memento to Guest of Honor Dr. R.K. Singh, Former Chairman IETE Ranchi Centre.



Dr. Raj Kumar Singh (RLSYC RU) Convener of MCCS-2017 facilitating with memento to Keynote Speaker Dr. A. Srinivasulu, Professor of Vignans' University, Guntur, Andhra Pradesh.



Dr. Anand Kumar Thakur (SSMC,RU) Organizing Secretary of MCCS-2017 facilitating with buckeye to General Chair of MCCS-2017 Dr. Vijay Nath (BIT Mesra Ranchi), Honorary Secretary IETE Ranchi Centre.



Dr. Anand Kumar Thakur (SSMC,RU) Organizing Secretary of MCCS-2017 facilitating with buckeye to Sh. Ajay Kumar (AGM(Admin) ARTTC BSNL Ranchi), Chairman IETE Ranchi Centre.



Dr. Vijay Nath(BIT Mesra) General Chair of MCCS-2017 & Hon. Secretary IETE Ranchi Centre facilitating with Buckeye to Dr. Arun Kumar, Ranchi University, Ranchi.



Lighting lamp in inaugural session by Chief Guest : Dr. R. K. Pandey Vice-Chancellor Ranchi University, in company from left Dr. Vijay Nath, Sh. Ajay Kumar, Dr.A. A. Khan, Dr. K.K. Thakur, Dr. R.K. Singh, Dr. Anand Kumar Thakur, Dr. Raj Kumar Singh.



Lighting lamp in inaugural session by Guest of Honor: Dr. A.A. Khan, Former VC RU, in company from left Dr. Vijay Nath, Sh. Ajay Kumar, Dr. R.K. Pandey, Dr. K.K. Thakur, Dr. R.K. Singh, Dr. Anand Kumar Thakur, Dr. Raj Kumar Singh.



Lighting lamp in inaugural session by Guest of Honor: Dr. K.K. Thakur, CGMT BSNL Jharkhand in company from left Dr. Vijay Nath, Sh. Ajay Kumar, Dr. R.K. Pandey, Dr. R.K. Singh, Dr. Anand Kumar Thakur, Dr. Raj Kumar Singh.



Lighting lamp in inaugural session by Guest of Honor: Dr. K.K. Thakur, CGMT BSNL Jharkhand in company from left Dr. Vijay Nath, Sh. Ajay Kumar, Dr. R.K. Pandey, Dr. R.K. Singh, Dr. Anand Kumar Thakur, Dr. Raj Kumar Singh.



Lighting lamp in inaugural session by Guest Dr. Arun Kumar Ranchi University Ranchi in company from left Dr. Vijay Nath, Sh. Ajay Kumar, Dr. R.K. Pandey, Dr. K.K. Thakur, Dr. A.A. Khan, Dr. R.K. Singh, Dr. Anand Kumar Thakur, & Dr. Raj Kumar Singh.



Lighting lamp in inaugural session by Guest of Honor Dr. R. K. Singh, Former Chairman IETE Ranchi in company from left Dr. Vijay Nath, Sh. Ajay Kumar, Dr. R.K. Pandey, Dr. K.K. Thakur, Dr. A.A. Khan, Dr. Arun Kumar, Dr. Anand Kumar Thakur, & Dr. Raj Kumar Singh.



Lighting lamp in inaugural session by General Chair MCCS-2017 Dr. Vijay Nath, Secretary IETE Ranchi & Sh. Ajay Kumar Chairman IETE Ranchi in company from left Dr. R.K. Pandey, Dr. K.K. Thakur, Dr. A.A. Khan, Dr. Arun Kumar, Dr. Anand Kumar Thakur, & Dr. Raj Kumar Singh.



Lighting lamp in inaugural session by Guest Dr. Mamta Singh, Executive Member IETE Ranchi in company from left Dr. Vijay Nath, Sh. Ajay Kumar, Dr. R.K. Pandey, Dr. K.K. Thakur, Dr. A.A. Khan, Dr. Arun Kumar, Dr. Anand Kumar Thakur, Dr. A. Srinivasulu & Dr. Raj Kumar Singh.



Photograph of audience during inaugural session MCCS-2017



Welcome Address by Sh. Ajay Kumar, AGM ARTTC BSNL Ranchi & Chairman IETE Ranchi.



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Conference overview by Dr. Vijay Nath (BIT Mesra Ranchi) General Chair MCCS-2017 & Hon. Secretary IETE Ranchi Centre.



Addressing the august gathering by Guest of Honor Dr. K.K. Thakur, CGMT BSNL Jharkhand, India



Addressing august gathering by Chief Guest Dr. R.K. Pandey, Vice-Chancellor Ranchi University Ranchi



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Dr. Vijay Nath(BIT Mesra) General Chair of MCCS-2017 & Hon. Secretary IETE Ranchi Centre facilitating with memento to Sh. Sanjay Kumar Jha, Executive Engineer, Govt. of Jharkhand (Chief Minister Executive Planner).



Dr. Vijay Nath(BIT Mesra) General Chair of MCCS-2017 & Hon. Secretary IETE Ranchi Centre facilitating with memento to Dr. P.R. Thakura, Executive Member IETE Ranchi Centre & Professor In-charge of IETE-ISF BIT Mesra Ranchi.



Addressing august gathering by Guest of Honor Dr. A.A. Khan, Former Vice-Chancellor Ranchi University Ranchi & Former Chairman IETE Ranchi Centre.



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Addressing the august gathering by Guest of Honor Dr. R.K. Singh, Former Chairman IETE Ranchi Centre.



Addressing the august gathering by Keynote Speaker Dr. A. Srinivasulu, Professor Vignans' University Guntur Andhra Pradesh.



Addressing the august gathering by Guest of Honor Sh. Sanjay Kumar Jha, Executive Engineer Govt. of Jharkhand.



Addressing the august gathering by Guest of Honor Sh. Sanjay Kumar Jha, Executive Engineer Govt. of Jharkhand. They also motivate to young researchers for funding for research & development for challenges of the Govt. of Jharkhand.



Addressing the august gathering by Guest of Honor Dr. P.R. Thakura, Executive Member IETE Ranchi Centre.



Addressing the august gathering by Convener MCCS-2017 Dr. Raj Kumar Singh(RLSYC RU). He also provided the information about all technical session.



Vote of thanks to the august gathering by Organizing Secretary MCCS-2017 Dr Anand Kumar Thakur(SSMC RU). He also described the hospitality, venue & procedure for two days technical sessions.



A Group Photograph of Inaugural Session MCCS-2017.

2nd International Conference on Microelectronics, Computing & Communication Systems (MCCS-2017) on dated 13-14th May 2017 at ARTTC BSNL H.B. Road Ranchi (Jharkhand, India)



A Group Photograph of Inaugural Session of MCCS-2017.



Invited Lecture by Dr. A. Srinivasulu, Professor Vignans' University Guntur Andhra Pradesh.



Audience attending the lecture by Prof. A. Srinivasulu.

FIRST DAY TECHNICAL SESSION_MCCS2017 (13-05-2017)



Presentation by Author and Judges by Dr. A. Srinivasulu (Chairman of the First Technical Session) & Session Chairs: Dr. P. Pal, Dr. M. K. Mukul, Dr. Sudip Sahana, Dr. Amritanjali, Dr. Sanchita Pal, Dr. Sudip Kundu, Dr. K.K. Senapati, Dr. r.K. Lal.



Presentation by Author and Judges by Dr. A. Srinivasulu (Chairman of the First Technical Session) & Session Chairs: Dr. P. Pal, Dr. M. K. Mukul, Dr. Sudip Sahana, Dr. Amritanjali, Dr. Sanchita Pal, Dr. K.K. Senapati, Dr. Om Prakash, Dr. Sudip Kundu, Dr. R.K. Lal.



Presentation by Author and Judges by Dr. A. Srinivasulu (Chairman of the First Technical Session) & Session Chairs: Dr. P. Pal, Dr. M. K. Mukul, Dr. Sudip Sahana, Dr. Amritanjali, Dr. Sanchita Pal, Dr. Sudip Kundu, Dr. K.K. Senapati



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Authors are ready for presentations



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Atyush Nath S/o Dr. Vijay Nath General Chair MCCS-2017 is attentive to author presentation.



Presentation by Author and Judges by Dr. A. Srinivasulu (Chairman of the First Technical Session) & Session Chairs: Dr. P. Pal, Dr. M. K. Mukul, Dr. Sudip Sahana, Dr. Amritanjali, Dr. R.K. Lal, Dr. Sudip Kundu, Dr. Sanchita Pal.



Prof. A. Srinivasulu facilitating with certificate to Author after successful presentation and satisfactory question- answer by panels. From left Dr. Vijay Nath, Dr. M.K. Mukul, Dr. A. Srinivasulu, Author, Dr. Sudip Sahana, Dr. Sanchita Pal, & Dr. Raj Kumar Singh.



Prof. A. Srinivasulu facilitating with certificate to Author after successful presentation and satisfactory question- answer by panels. From left Dr. Vijay Nath, Dr. M.K. Mukul, Dr. A. Srinivasulu, Author, Dr. Sudip Sahana, Dr. Sanchita Pal, & Dr. Raj Kumar Singh.



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Prof. A. Srinivasulu facilitating with certificate to Author after successful presentation and satisfactory question- answer by panels. From left Dr. Vijay Nath, Dr. M.K. Mukul, Dr. A. Srinivasulu, Author, Dr. Sudip Sahana, Dr. Sanchita Pal, & Dr. Raj Kumar Singh.



Prof. A. Srinivasulu facilitating with certificate to Session Judge Dr. Sudip Sahana after successful review and satisfactory question- answer to authors. From left, Dr. M.K. Mukul, Dr. Vijay Nath, Dr. A. Srinivasulu, Dr. Sudip Sahana, Dr. Sanchita Pal, & Dr. Raj Kumar Singh.



Prof. A. Srinivasulu facilitating with memento to Session Judge Dr. Sudip Sahana after successful review and satisfactory question- answer to authors. From left, Dr. M.K. Mukul, Dr. Vijay Nath, Dr. A. Srinivasulu, Dr. Sudip Sahana, Dr. Sanchita Pal & Dr. Raj Kumar Singh.



Prof. A. Srinivasulu facilitating with certificate to Session Judge: Dr. Sanchita Pal after successful review and satisfactory question- answer to authors. From left, Dr. M.K. Mukul, Dr. Vijay Nath, Dr. A. Srinivasulu, Dr. Sudip Sahana, Dr. Sanchita Pal & Dr. Raj Kumar Singh.



Prof. A. Srinivasulu facilitating with memento to Session Judge: Dr. Sanchita Pal after successful review and satisfactory question- answer to authors. From left, Dr. M.K. Mukul, Dr. Vijay Nath, Dr. A. Srinivasulu, Dr. Sudip Sahana, Dr. Sanchita Pal, & Dr. Raj Kumar Singh.



Prof. A. Srinivasulu facilitating with certificate to Session Judge: Dr. Manoj Kumar Mukul after successful review and satisfactory question- answer to authors. From left, Dr. Vijay Nath, Dr. M.K. Mukul, Dr. A. Srinivasulu, Dr. Sudip Sahana, Dr. Sanchita Pal & Dr. Raj Kumar Singh.



Prof. A. Srinivasulu facilitating with memento to Session Judge: Dr. Manoj Kumar Mukul after successful review and satisfactory question- answer to authors. From left, Dr. Vijay Nath, Dr. M.K. Mukul, Dr. A. Srinivasulu, Dr. Sudip Sahana, Dr. Sanchita Pal, & Dr. Raj Kumar Singh.



Panel members facilitating with certificate to Dr. A. Srinivasulu chairman of the session for successful review and satisfactory question- answer to authors. From left Dr. M.K. Mukul, Dr. Vijay Nath, Dr. A. Srinivasulu, Dr. Sudip Sahana, Dr. Sanchita Pal, & Dr. Raj Kumar Singh.



Dr. Raj Kumar Singh, Convener MCCS-2017 facilitating with certificate to author after successful presentation and question- answers by review panel.



Dr. Raj Kumar Singh, Convener MCCS-2017 facilitating with certificate to author after successful presentation and question- answers by review panel.

SECOND DAY TECHNICAL SESSION_MCCS2017 (14-05-2017)



Presentation by Author and Judges by Dr. P. R. Thakura (Chairman of the Second Day Technical Session) & Session Chairs: Dr. K. Bose, Dr. Sanat Mukherjee, Dr. Dr. Rishi Sharma, Dr. Arundayal, Dr. R.K. Lal, Dr. Anil Kumar, Dr. Rishi Sharma, & Dr. Om Prakash.



Presentation by Author and Judges by Dr. P. R. Thakura (Chairman of the Second Day Technical Session) &Session Chairs: Dr. K. Bose, Dr. Sanat Mukherjee, Dr. Dr. Rishi Sharma, Dr. Arun Dayal , Dr. R.K. Lal, Dr. Anil Kumar, Dr. Rishi Sharma, & Dr. Om Prakash



Presentation by Author and Judges by Dr. P. R. Thakura (Chairman of the Second Day Technical Session) &Session Chairs: Dr. K. Bose, Dr. Sanat Mukherjee, Dr. Dr. Rishi Sharma, Dr. Arun Dayal , Dr. R.K. Lal, Dr. Anil Kumar, Dr. Rishi Sharma& Dr. Om Prakash.



Presentation by Author and Judges by Dr. P. R. Thakura (Chairman of the Second Day Technical Session) & Session Chairs: Dr. K. Bose, Dr. Sanat Mukherjee, Dr. Dr. Rishi Sharma, Dr. Arun Dayal, Dr. R.K. Lal, Dr. Anil Kumar, Dr. Rishi Sharma, Dr. Om Prakash, & Dr. Anand Kumar Thakur



A group photograph of second day technical session with judges & authors



Presentation by Author and Judges by Dr. P. R. Thakura (Chairman of the Second Day Technical Session) &Session Chairs: Dr. K. Bose, Dr. Sanat Mukherjee, Dr. Dr. Rishi Sharma, Dr. Arun Dayal , Dr. R.K. Lal, Dr. Anil Kumar, Dr. Rishi Sharma, Dr. Om Prakash, & Dr. Anand Kumar Thakur



Presentation by Author and Judges by Dr. P. R. Thakura (Chairman of the Second Day Technical Session) &Session Chairs: Dr. K. Bose, Dr. Sanat Mukherjee, Dr. Dr. Rishi Sharma, Dr. Arun Dayal , Dr. R.K. Lal, Dr. Anil Kumar, Dr. Rishi Sharma, Dr. Om Prakash & Dr. Anand Kumar Thakur.



Dr. Anand Kumar Thakur Organizing Secretary MCCS-2017 facilitating with certificate to Reviwer Dr. K. Bose. From left Dr. Raj Kumar Singh, Dr. Anand Kumar Thakur, Dr. K. Bose & Dr. A. Srinivasulu.



Dr. Anand Kumar Thakur, Organizing Secretary MCCS-2017 facilitating with certificate to Reviwer Dr. S. Mukherjee. From left Dr. Raj Kumar Singh, Dr. Anand Kumar Thakur, Dr. Sanat Mukherjee, Dr. A. Srinivasulu, & Dr. Vijay Nath.



Sh. Ajay Kumar (AGM BSNL Ranchi) & Chairman IETE Ranchi facilitating with certificate to author after successful presentation and question answer by reviewers. From left Sh. Ajay Kumar, Dr. Vijay Nath, Author & Dr. Anand Kumar Thakur.



Presentation by Author and Judges by Dr. P. R. Thakura (Chairman of the Second Day Technical Session) &Session Chairs: Dr. Arun Dayal , Dr. R.K. Lal, Dr. Anil Kumar, Dr. Rishi Sharma, Dr. Om Prakash, Dr. Anand Kumar Thakur & Dr. Vijay Nath



Presentation by Author and Judges by Dr. P. R. Thakura (Chairman of the Second Day Technical Session) &Session Chairs: Dr. Arun Dayal , Dr. R.K. Lal, Dr. Anil Kumar, Dr. Rishi Sharma, Dr. Om Prakash, Dr. Anand Kumar Thakur &Dr. Vijay Nath



Presentation by Author and Judges by Dr. P. R. Thakura (Chairman of the Second Day Technical Session) & Session Chairs: Dr. Arun Dayal, Dr. R.K. Lal, Dr. Anil Kumar, Dr. Raj Kumar Singh, Dr. Om Prakash, Dr. Anand Kumar Thakur, & Dr. Vijay Nath.



Presentation by Author and Judges by Dr. P. R. Thakura (Chairman of the Second Day Technical Session) & Session Chairs: Dr. Arun Dayal, Dr. R.K. Lal, Dr. Anil Kumar, Dr. Raj Kumar Singh, Dr. Om Prakash, Dr. Anand Kumar Thakur, & Dr. Vijay Nath.



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Dr. Raj Kumar Singh, Convener MCCS2017 facilitating with memento to Mr. Hiranmoy Kar for his excellent technical support in the MCCS2017



Dr. P. R. Thakura (Chairman of the Second Day Technical Session) facilitating with certificate to author after successful presentation and question-answer by reviewers. From left Dr. Arun Dayal, Author, Dr. P.R. Thakura & Dr. Vijay Nath



Dr. P. R. Thakura (Chairman of the Second Day Technical Session) facilitating with certificate to author after successful presentation and question-answer by reviewers. Author, Dr.Arun Dayal, Dr. P.R. Thakura & Dr. Vijay Nath



Dr. P. R. Thakura (Chairman of the Second Day Technical Session) facilitating with certificate to author after successful presentation and question-answer by reviewers. From left Author, Dr. Arun Dayal, Dr. P.R. Thakura & Dr. Vijay Nath



Dr. P. R. Thakura (Chairman of the Second Day Technical Session) facilitating with certificate to author after successful presentation and question-answer by reviewers. From left Author, Dr. Arun Dayal, Dr. P.R. Thakura & Dr. Vijay Nath



Dr. P. R. Thakura (Chairman of the Second Day Technical Session) facilitating with certificate to author after successful presentation and question-answer by reviewers. From left Author, Dr. Arun Dayal, Dr. P.R. Thakura & Dr. Vijay Nath



Dr. P. R. Thakura (Chairman of the Second Day Technical Session) facilitating with certificate to author after successful presentation and question-answer by reviewers. From left Author, Dr. Arun Dayal, Dr. P.R. Thakura & Dr. Vijay Nath



Dr. P. R. Thakura (Chairman of the Second Day Technical Session) facilitating with certificate to author after successful presentation and question-answer by reviewers. From left Dr. Raj Kumar Singh, Author, Dr. Arun Dayal, Dr. P.R. Thakura & Dr. Vijay Nath



Dr. P. R. Thakura (Chairman of the Second Day Technical Session) facilitating with certificate to author after successful presentation and question-answer by reviewers. From left Dr. Raj Kumar Singh, Author, Dr. Arun Dayal, Dr. P.R. Thakura & Dr. Vijay Nath



Dr. P. R. Thakura (Chairman of the Second Day Technical Session) facilitating with certificate to author after successful presentation and question-answer by reviewers. From left Dr. Raj Kumar Singh, Author, Dr. Arun Dayal, Dr. P.R. Thakura & Dr. Vijay Nath



Dr. P. R. Thakura (Chairman of the Second Day Technical Session) facilitating with certificate to author after successful presentation and question-answer by reviewers. From left Dr. Raj Kumar Singh, Author, Dr. Arun Dayal, Dr. P.R. Thakura & Dr. Vijay Nath



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Dr. P. R. Thakura (Chairman of the Second Day Technical Session) facilitating with certificate to author after successful presentation and question-answer by reviewers. From left Dr. Raj Kumar Singh, Mother of Author, Author, Dr. Arun Dayal, Dr. P.R. Thakura & Dr. Vijay Nath.



Dr. P. R. Thakura (Chairman of the Second Day Technical Session) facilitating with certificate to author after successful presentation and question-answer by reviewers. From left Dr. Raj Kumar Singh, Author, Father of Author, Dr. Arun Dayal, Dr. P.R. Thakura & Dr. Vijay Nath.



Dr. P. R. Thakura (Chairman of the Second Day Technical Session) facilitating with certificate to author after successful presentation and question-answer by reviewers. From left Dr. Raj Kumar Singh, Author, Dr. Arun Dayal, Dr. P.R. Thakura & Dr. Vijay Nath.



Dr. P. R. Thakura (Chairman of the Second Day Technical Session) facilitating with certificate to Dr. Arun Dayal after successful review and question-answer with authors. From left Dr. Raj Kumar Singh, Dr. Arun Dayal, Dr. P.R. Thakura & Dr. Vijay Nath.



Dr. P. R. Thakura (Chairman of the Second Day Technical Session) facilitating with certificate to Dr. Vijay Nath after successful review and question-answer with authors. From left Dr. Raj Kumar Singh, Dr. Vijay Nath, Dr. Arun Dayal, & Dr. P.R. Thakura.



A review panel facilitating with certificate to Chairman of the session Dr. P.R. Thakura for excellent review and question answer with authors. From left Dr. Raj Kumar Singh, & Dr. P.R. Thakura, Dr. Arun Dayal, Dr. Vijay Nath.



Dr. P. R. Thakura (Chairman of the Second Day Technical Session) facilitating with memento to Dr. Raj Kumar Singh after successful review and question-answer with authors. From left Dr. Anil Kumar, Dr. Raj Kumar Singh, Dr. Vijay Nath, Dr. Arun Dayal, & Dr. P.R. Thakura.



Dr. P. R. Thakura (Chairman of the Second Day Technical Session) facilitating with memento to Dr. Anil Kumar (CUJ Ranchi) after successful review and question-answer with authors. From left Dr. Raj Kumar Singh, Dr. Anil Kumar, Dr. Arun Dayal, Dr. P.R. Thakura, & Dr. Vijay Nath.



Dr. P. R. Thakura (Chairman of the Second Day Technical Session) facilitating with certificate to Dr. Arun Dayal after successful review and question-answer with authors. From left Dr. Anil Kumar, Dr. Arun Dayal, Dr. Raj Kumar Singh, Dr. Vijay Nath, & Dr. P.R. Thakura



Dr. P. R. Thakura (Chairman of the Second Day Technical Session) facilitating with certificate to Dr. Arun Dayal after successful review and question-answer with authors. From left Dr. Anil Kumar, Dr. Arun Dayal, Dr. Raj Kumar Singh, Dr. Vijay Nath, & Dr. P.R. Thakura



A review panel facilitating with memento to mother of one author came from Lucknow(UP)



A review panel facilitating with memento to father of one author came from Andhra Pradesh



Dr. P. R. Thakura (Chairman of the Second Day Technical Session) facilitating with memento to Mr. Deepak Prasad for excellent support in MCCS2017. From left Dr. Anil Kumar, Mr. Deepak Prasad, Dr. Raj Kumar Singh, Dr. Arun Dayal, Dr. P.R. Thakura, & Dr. Vijay Nath.



Dr. P. R. Thakura (Chairman of the Second Day Technical Session) facilitating with memento to Mr. Anup Tirkeye for excellent support in MCCS2017. From left Dr. Anil Kumar, Mr. Anup Tirkeye, Dr. Raj Kumar Singh, Dr. Arun Dayal, Dr. P.R. Thakura, & Dr. Vijay Nath.



Dr. P. R. Thakura (Chairman of the Second Day Technical Session) facilitating with memento to Mr. Sumit Singh for excellent support in MCCS2017. From left Dr. Anil Kumar, Mr. Sumit Singh, Dr. Raj Kumar Singh, Dr. Arun Dayal, Dr. P.R. Thakura, & Dr. Vijay Nath.



A photograph with authors of MITS Gwalior.



Dr. P. R. Thakura (Chairman of the Second Day Technical Session) facilitating with certificate & memento to Mr. Rajanish Yadav for excellent support in MCCS2017. From left Dr. Raj Kumar Singh, Mr. Rajanish Yadav, Dr. Arun Dayal, Dr. P.R. Thakura, Dr. Vijay Nath & Dr. Anil Kumar.



A group photograph with reviewers, delegates and authors.

He also demonstrated the excellent outcome of previous conference NCCS-2015, MCCS-2015 publications by highly reputed journal and book series. Published article links have been available on IETE & ISVE website for citation. **Dr. Anand Kumar Thakur**(SSMC RU), Treasurer IETE Ranchi Centre & Organizing Secretary MCCS-2017 give the vote of thanks to all the participants, delegates, speakers, members on the dais and off the dais, reviewers, technical session chairman, session chair persons, advisory board members, Govt. of Jharkhand, media persons etc **Dr. Raj Kumar Singh**(RLSYC RU) , Executive Member IETE Ranchi & Convener MCCS-2017 demonstrated all the technical activities, program details, paper presentations schedule, number of papers, session chairman, chair persons etc. In the program more than 250 participants, delegates, students and invitees were participated.

First Technical Session(Microelectronics & Signal Processing) chairman was Prof. A.A. Khan and Co-chairman was Dr. A. Srinivasulu and Chairpersons was Dr. Sudip Kundu, Dr. Om Prakash, Dr. Rishi Sharma, Dr. Amritanjali, Dr. R.K. Lal, Dr. S. Chakraborty, Dr. V. Laxmi, Dr. M.K. Mukul, Dr. N. Chattoraj. In this session **Physical Presentation ID:** MCCS17001, MCCS17005, MCCS17008, MCCS17010, MCCS17013, MCCS17017; **Skype Presentation ID:**MCCS17014,MCCS17020,MCCS17025,MCCS17043,MCCS17055,MCCSB17001,MCCSB

006, MCCS17060. After the first technical session **Dr. B.K. Kaushik** IIT Roorkee delivered his lecture on Sprintronic-Perspective & Challenges.

Second Technical Session (VLSI Design & Communication Systems) chairman was Prof. A. Srinivasulu and Co-chairman was Dr. V.K. Jha and Chairpersons was Dr. Sanjeet Kumar, Dr.S.S. Sahu, Dr. Raj Kumar Singh, Dr. M.K. Mukul, Dr. Sanchita Pal, Dr. Sudip Sahana, Dr. Anand Kumar Thakur, Dr. Sushil Shukla. In this session **Physical Presentation ID:** MCCS17018, MCCS17019, MCCS17026, MCCS17036, MCCS17037, MCCS17040, MCCS17044, MCCS17057, MCCS17081, MCCSB17004.

Third Technical session (Embedded System & Signal Processing) Chairman was Dr. Mahesh Chandra & Co-chairman was Dr. Rajnish Kumar and chairpersons was Dr. Anand Kumar Thakur, Dr. K. Bose, Dr. Sanat Mukherjee, Dr. S. Kumar, Dr. A. K. Tiwary, Dr. P.Pal, Dr. A. Srinivasulu, Dr. Vijay Nath, Dr. K.K. Senapati, Dr. I. Mukherjee, Dr. Anil Kumar, and Dr. Mamta Singh. In this session **Physical Presentation ID:** MCCS17021, MCCS17022, MCCS17029, MCCS17034, MCCS17035, MCCS17038, MCCS17041, MCCS17047, MCCS17049, MCCS17050; **Skype Presentation ID:** MCCS17028, MCCS17033, MCCS17053, MCCS17054, MCCS17075. After the session **Dr. M. Bhasker** NIT Tiruchy demonstrated his lecture on Advanced VLSI Design.

Fourth Technical Session (Grid Energy & Robotics) Chairman was Dr. S.S. Solanki and **Co-Chairman:** Dr. P. R. Thakura and **Session Chair Persons:** Dr. Richa Pandey, Dr. R.P. Sharma, Dr. S.S. Tripathi, Dr. Dileep Upadhyay, Dr. Dinesh, Dr. Arun Dayal, Dr. Om Prakash. In this session presented papers **Physical Presentation ID:** MCCS17052, MCCS17053, MCCS17056, MCCS17076, MCCS17077, MCCS17080, MCCS17082, MCCSB17002, MCCSB17003, MCCS17024, MCCSB17013.

Mohan Kashyap *et. al* explained his research article Optimal Placement of Distributed Generation using Genetic Algorithm approach. Piyush Kumar Ojha *et al.* demonstrated his work on Analysis of Voltage Source Boost Inverter. Rahul Sharma explained his research article Reduction of Redundant Frames in Active Wireless Capsule Endoscopy. Rahul Priyadarshi *et. al* introduced his research article Performance Analysis of Diamond Search Algorithm Over Full Search Algorithm. Pritha Roy *et al* explained their research work on A study on filter design aspects of single phase inverter with various modulation schemes. Maninder Kaur *et al* demonstrated her work Design, Analysis and Testing of Low Voltage CMOS OTA. Sumit Srivastava *et al* demonstrated his research article Speech Based Access to Price of Different Agricultural Commodities Using MFCC, GMM and Naïve Bayes. Kalmeshwar N.Hosur *et al* demonstrated his work on Design and Analysis of 10 Bit, 2MS/s SAR ADC using Non Redundant SAR and Split DAC. Shahid Aziz *et al* demonstrated his work as per current demand of market Dual axis solar tracker for solar panel with wireless. Arindam Banarjee *et al* demonstrated their work on Narrow Bandpass Optical Filter Design with Defected Ternary Photonic Crystal under p-Polarized Incidence. Garima Gupta *et al* demonstrated her performance

based work An Efficient Video Watermarking Based Security Model for Data Encryption. Naghma Khatoon *et al* demonstrated her work on A Node Stability Based Multi-Metric Weighted Clustering Algorithm for Mobile Ad-Hoc Networks. Kumari Mamta *et al* explained her work on Design and Development of Microstrip Patch Antenna for Millimeter-Wave Application. Chitrita Saha *et al* introduced her work on Review on Fault Tolerant Control (FTC) and Fault Detection & Isolation (FDI) Schemes of Wind Turbine. Ankita *et al* explained her work on A Comprehensive survey on Computational Grid Resource Management. Kanchan Bala *et al* introduced her research work on Thunderstorm Prediction Using Soft Computing and wavelet. Mohammad Javeed *et al* defines their work on Design of a clock distribution network using low power prescaler and Fused P & S counters. K. RamaDevi *et al* demonstrated the research article Design of RFID Tag antenna with Impedance Matching Techniques at UHF Band. Saurabh Dixit *et al* demonstrated Power Consumption Reduction Technologies in LTE Networks. Chandrashekhar Azad *et al* introduced in his research article Decision Tree and Genetic Algorithm Based Intrusion Detection System. B. Jayalakshmi *et al* explained A novel method of designing using non-logical algorithm. Annu Priya *et al* explain in research article A Novel: Multimedia Encryption and Decryption Technique Using Binary Tree Traversal. Malladi Lakshmi Lavanya *et al* demonstrated the research work ZC-CDTA Based Integrator Circuit Using Single Passive Component. Saka Harshavardhan *et al* explained Road and traffic sign detection using colour segmentation. Pawan Kumar *et. al* explain Switching Based Trimmed Median Filter for Noise Removal from Medical Image. Surya Gupta *et al* introduced research article Characterization of Interfering Signal in S band of IRNSS. Sandip Kumar Singh Modak *et al* presented his article Enhancing Multibiometric System Security Using ECC Based on Score level Fusion. Santhoshi Rupa Gayatri Neralla *et. al* presented the article Generation of Photographic Mosaic Using Apache Spark and Scalding for Image Processing. Nibha Rani *et al* introduced Mitigation of Congestion in transmission line using Series Smart Wire. Naghma Khatoon *et al* explained research article Mobility Aware Distributed Clustering and Routing Algorithm Based on A Search for Mobile Ad-Hoc Networks. Meena Singh presented research article Floating Admittance Matrix Model Development of Active Devices and Circuits. Ravi Devesh *et al* demonstrated An Efficient Approach for Monuments Image Retrieval Using Multi-Visual Descriptors. Ruchira *et al* presented Comparison of ANN based MPPT Controller and Incremental Conductance for Photovoltaic System. Sneha Mangalwedhe *et al* introduced Low Power implementation of 32-bit RISC Processor with pipelining. Deepak Prasad *et al* presented research article An Ultra Low Power High Performance CMOS Temperature Sensor with an Inaccuracy of $-0.3^{\circ}\text{C}/+0.1^{\circ}\text{C}$ For Aerospace Applications. Arvind Kumar *et al* introduced Guitar Tuner using Cepstral Analysis & Fuzzy Controller on Arduino Board. Bollampally Joy Persis *et al* presented research work A Novel SINR Based Cooperative Radio Resource Allocation Mechanism (SBC-RRAM) for LTE/Wi-Fi Radio Access System in Smart Home Environment. Pallavi Choudekar *et al* presented work on Optimal Location of Thyristor Controlled Series Compensator to Assuage Congestion in Transmission Network. Vaibhav Soni *et al* explained research work on Fuzzy Logic Based Multihop Topology Control Routing Protocol in Wireless Sensor Networks. Priyanka Gupta *et al* explained An Efficient Brightness preserving Contrast

enhancement technique using discrete wavelet transform and Singular value decomposition. Ruhi Dubey *et al* introduced research article Computer Assisted Valuation of Descriptive Answers Using WEKA with Random Forest Classification. Ikkurthy Kavya Sri *et al* presented research article Performance analysis of Inter-satellite Optical Wireless Communication Using 12 and 24 Transponders. Sumit Singh *et al* presented research work on Design of CMOS Low Noise Amplifier for WiMAX Applications. Shaik Qadeer *et al* presented book chapter on VLSI signal Processing. Debaprasad De *et al* presented book chapter on Ramanujan Sums and Signal Processing: An Overview. Akshaya R. *et al* introduced Analysis and design of bandgap reference(BGR). Avireni Srinivasulu *et al* introduced book chapter FinFET Based Negative Rectifiers for Low-Power Analog Applications. Sonali B. Wankhede *et al* introduced book chapter Denial of Service Attacks. Trilok Kumar Parashar *et al* introduced book chapter Analytical modeling of room temperature GaAs/InAs_{0.3}Sb_{0.7} detector for H₂S gas detection. Program was ended by valedictory session with certificate distribution by session chairman, ISVE & IETE Ranchi Chairman, Secretary, Treasurer and other dignitaries.



Photographs of Inaugural session of MCCS-2017 during proceeding opening ceremony (From Left Dr. Vijay Nath, Dr. R.K. Singh, Dr. A.A. Khan, Dr. K.K. Thakur, Dr. R.K. Pandey, Sh. Ajay Kumar, Dr. A. Srinivasulu, Dr. Raj Kumar Singh).



A group photographs of Inaugural session of MCCS-2017

**Dear All,
Thanks for contribution and strong support.
Thanks & regards**

**Organizing Team MCCS-2017
ARTTC BSNL H.B. Road Ranchi**

