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of

B.P. Poddar Institute of Management and Technology

Email: bppimtnewsletter@bppimt.ac.in

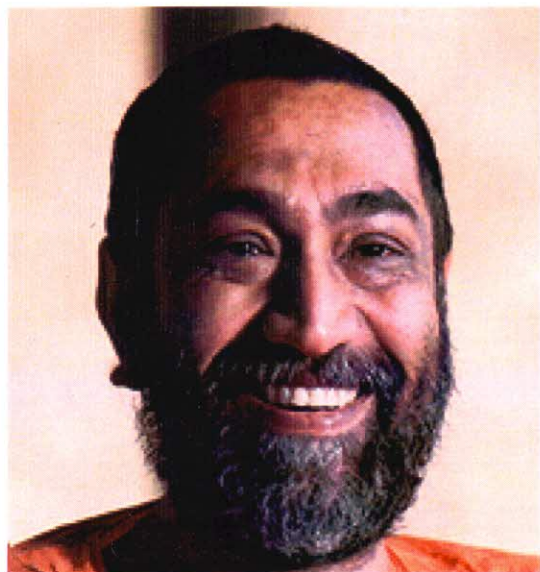
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Chief Advisor: Prof (Dr.) Sutapa Mukherjee

Editor in Chief: Prof (Dr.) B.N. Chatterji



Remembering Professor Mahan Maharaj



Prof. Mahan Mj, prominently known as Mahan Maharaj or Swami Vidyathananda, is an outstanding Indian mathematician and a reputed spiritualistic monk of the Ramakrishna order. His austere lifestyle is a perfect blend of religion and scientific quest. He is currently Professor of Mathematics at the Tata Institute of Fundamental Research in Mumbai. He is a recipient of the 2011 Shanti Swarup Bhatnagar Award in Mathematical Sciences and the Infosys Prize 2015 for Mathematical Sciences. He has made noteworthy contributions in hyperbolic geometry, low-dimensional topology, geometric group theory and complex geometry.

He was born on 5 April 1968 as Mahan Mitra. He studied at St. Xavier's Collegiate School, Calcutta, till Class XII. He then entered the Indian Institute of Technology Kanpur, with an AIR (All India Rank) rank of 67 in the Joint Entrance Examination, where he initially chose to study electrical engineering but later switched to mathematics. He graduated with a Masters in mathematics from IIT Kanpur in 1992. Mahan Mitra joined the Ph.D. program in mathematics at the University of California, Berkeley, with Andrew Casson as his advisor. He received the Earle C. Anthony Fellowship, U.C. Berkeley in 1992–1993 and the prestigious Sloan Fellowship for 1996–

1997. After earning a doctorate from U.C. Berkeley in 1997, he worked briefly at the Institute of Mathematical Sciences, Chennai in 1998.

That very year, he joined the Ramakrishna Mission, Belur, upon being highly influenced by the life and work of the Vedantic philosopher Ramakrishna Paramahansa. His initial name at the Ramakrishna Mission was Brahmachari BrahmaChaitanya which was later renamed as Swami Vidyathananda when he became a monk in 2008 receiving a saffron robe. Though he renounced the mundane world to become a monk, he continued to research and teach in mathematics. He also served as the Professor of Mathematics and Dean of Research at the Ramakrishna Mission Vivekananda University till 2015. He is currently Professor of Mathematics at the Tata Institute of Fundamental Research, Mumbai. He has contributed significantly to the world of Mathematical Sciences with his outstanding publications in the areas of ending lamination spaces and hyperbolic manifolds. His most notable work is the proof of existence of Cannon–Thurston maps. This led to the resolution of the conjecture that connected limit sets of finitely generated Kleinian groups are locally connected. He is also the author of a book titled *Maps on boundaries of hyperbolic metric spaces*. Prof. Mahan Mj, a polyglot with a mastery in English, Hindi and Bengali, likes to travel all over the world connecting with mathematicians and lecturing students. He has widely published and presented his research in the area of hyperbolic manifolds and ending lamination spaces.

ACADEMIC NEWS:

Publications:

Journals:

Pritam Bhattacharjee, Kunal Das, **Arijit Dey**, Debashis De, and Swarnendu Kumar Chakraborty, Computer Applications, *Estimation of Power Dissipation in Ternary Quantum Dot Cellular Automata Cell*, Journal of Low Power Electronics, ISSN: 15461998, 15462005, Vol. 13, No. 2, pp. 231-239, Impact Factor 0.84, Jun-2017

Joyanto Roychoudhary, Electronics and Communication Engineering, *Linear Antenna Array Synthesis And Null Control for Wi-Max Applications for MIMO channels using a Cognition Based Improved Particle Swarm Optimization*, International Journal of Engineering Technology Management and Applied Sciences(IJETMAS), ISSN: 2349-4476, Vol. 5, No. 5, pp. 675-680, Impact Factor 2.24, Jun-2017

C. K. Ghosh, A. Medda, **S. Biswas**, S. K. Parui, Electronics and Communication Engineering, *A Noble UWB Array with Band Notch Characteristics*, Wireless Personal communication, ISSN: 0929-6212, Vol. 94, No. 4, pp. 3495-3512, Impact Factor 0.951, Jun-17

Joyanto Roychoudhary, Electronics and Communication Engineering, *Circular Array Pattern Synthesis using Particle Swarm Optimization*, International Journal of Application or Innovation in Engineering & Management(IJAIEM), ISSN 2319 - 4847, Vol. 6, No. 4, pp. 044-049, Impact Factor 7.319, Apr-17

Joyanto Roychoudhary, Pushpendu Kanjilal, Electronics and Communication Engineering, *Linear Antenna Array synthesis and null control for WiMax Applications using an improved Particle swarm Optimization*, International Journal of Scientific and Engineering Research(IJSER), ISSN 2229-5518, Vol. 8, No. 4, pp. 1545-1553, Impact Factor 3.8, Apr-17

Joyanto Roychoudhary, Sumitesh Majumdar, T.K. Maiti, Electronics and Communication Engineering, *Magnetic Tunnel Junction Model Based Universal "NAND" And "NOR" Gates(a Journal of Spintronic devices)*, International Journal of Engineering Sciences and Research Technology(IJSRT), ISSN: 2277-9655, Vol. 6, No. 6, pp. 38-45, Impact Factor 4.116, May-17



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Gitosree Khan, Sabnam Sengupta, Anirban Sarkar, Information Technology, *Formal Modeling of Enterprise Cloud Bus System: A High Level Petri-Net Based Approach*, Requirements Engineering for Service and Cloud Computing, Springer, Cham, ISBN: 978-3-319-51310-2, Apr-17

Conferences:

S. Chakraborty, S. Chattaraj, A. Mukherjee, Electrical Engineering, *Evolutionary particle filter design for misalignment estimation in presence of flexure effect*, I2MTC 2017, ISBN: 978-1-509-03597-7 ISBN (Online): 978-1-5090-3596-0 ISSN: 1091-5281 DOI:10.1109/I2MTC.2017.7969986 IEEE Catalog No : CFP17IMT-POD, Vol-3, pp. 1817-1822, 22nd-25th-May-17

Vedatrayee Chakraborty, Swagata Dey, Bratati Mukhopadhyay, Electronics and Communication Engineering, *A Comparative study on Front Illuminated Ge-GeSn-GeSn Hetero-Phototransistors on Si Substrate at 1.55 mm by Silvaco-TCAD Simulator*, Information, Photonics & Communication(IPC '17), ISSN: 978-81-922797-9-4, pp.105-112, 15th-17th- May- 2017

Pia Sarkar, Surajit Mandal, Electronics and Communication Engineering, *Simple method for production of half-Fourier transform of an object transparency*, Information, Photonics & Communication(IPC '17), ISSN: 978-81-922797-9-4, pp. 43-52, 15th-17th- May-2017

Rajdeep Saha, Shalini Chakraborty, Sohini Pal, Souradeep Kundu, **Surajit Mandal**, Electronics and Communication Engineering, *A novel technique of image compression using DWT*, Information, Photonics & Communication(IPC '17), ISSN: 978-81-922797-9-4, pp. 217-223, 15th-17th- May-2017



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Pradipta Roy, **Debarati Dey**, Electronics and Communication Engineering, *Algorithmic approach to design single strand DNA based OR logic gate*, Information, Photonics & Communication(IPC '17), ISSN: 978-81-922797-9-4, pp. 79-92, 15th-17th- May-2017

Rashmita Mishra, M.Seikh, Ivy Majumder, Electronics and Communication Engineering, *Emotion recognition:A review*, Information, Photonics & Communication(IPC '17), ISSN: 978-81-922797-9-4, pp. 264-271, 15th-17th- May-2017

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Raktima DebRoy, Prama Singha, **Madhumita Sarkar, Somali Sikder**, Electronics and Communication Engineering, *Study of unipolar and bipolar OCDMA codes*, Information, Photonics & Communication(IPC '17), ISSN: 978-81-922797-9-4, pp. 255-263, 15th-17th- May-2017

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D. Choudhury, **R. Goswami**, S.S. Ghugre, R. Raut and D. Pramanik, Engineering Physics, *Nuclear structure of 102 Ag from in-beam gamma-ray spectroscopy*, Photonics & Communication (IPC '17), ISSN: 978-81-922797-9-4, pp. 171-175, 15th-17th- May-2017

Gaurav Paul, Chandan Kumar Modi, Arindam Biswas, Abhishek Paul, **Pushpendu Kanjilal**, **Dr. Bhaskar Som**, Electronics and Communication Engineering, *Designing of an FM generator in RF range*, Photonics & Communication(IPC '17), ISSN: 978-81-922797-9-4, pp. 224-234, 15th-17th- May-2017

Joyanto Roychoudhary, Electronics and Communication Engineering, *Linear antenna array synthesis and null control for Wi-Max applications using an improved particle swarm optimization*, Photonics & Communication(IPC '17), ISSN: 978-81-922797-9-4, pp. 149-158, 15th-17th- May-2017

Debjani Chakraborty, Sanchita Dutta, Humanities and Management Sciences, Women Empowerment and Culture, *Cultural Perspectives*, ISBN: 978-3-330-07914-4, Vol. 1, pp. 136, May-17

INSTITUTIONAL NEWS:

Faculty Development Programme

Our faculty members attended three Faculty Development Programs (FDP) organised by Cognizant Technology Solutions on *Analytics and Data Science*, *Digitalization and its impact* and *Overview on IT Infrastructure services* on 29th April, 20th May and 30th May, 2017 respectively.

University Semester Exam

The semester examination of MAKAUT was held successfully from 25th May-19th June, 2017. Dr. Nandita Sanyal, was the Officer-in-Charge, and Mr. Balaram Ghosal along with Mr. Abhijit Bhattacharya, served in the capacity of supervisors. Dr. Surajit Mandal, Mr. Arindrajit Chowdhury, Mr. Sudip Kundu and Mr. Suprabhat Maity, along with Dr. Papri Saha co-ordinated for smooth run of the exam system.

Best Project Award



Cognizant Technology Solutions organised a Best Project Award evaluations program in the Institute on 31st May, 2017. Seven were shortlisted for final year projects from the departments of Computer Science Engineering, Information Technology & Master of Computer Application. They were presented before the three member panel of Cognizant Technology Solutions (CTS). One team from Information Technology department got selected for the award.

Students' Achievement

- Students of BPPIMT won Smart India Hackathon, a national level competition organised by Govt. of India under the Ministry of Atomic Energy. It was a 36 hour long hackathon competition. The students prepared an app for Detection of Brain cancer under supervision of two faculty members Mr. Somnath Roychoudhury based on the research of a renowned Radiologist Dr. T. K. Biswas. The news was published in various newspapers like TOI, Telegraph, Aajkal etc. and also broadcasted in Bengali TV channel News Times.
- Our students Mr. Rohit Gupta and Ms. Archana Jhunjhunwala were awarded Silver and Bronze medal respectively for their Scholastic performance in MCA, 2014 and 2015 University Examination in the 8th MAKAUT Convocation held on 3rd May, 2017.



Workshop

- A workshop on *Application of Photo voltaic cell* was organised on 26th April, 2017 in association with Soltech Energies Pvt. Ltd to spread awareness about Non-conventional energy.
- A workshop on *Android Technologies* was conducted on 7th April, 2017 by National Institute for Industrial Training registered Under Govt. of WB and empanelled under Planning Commission, Govt. of India.

National Conference (IPC 2017)

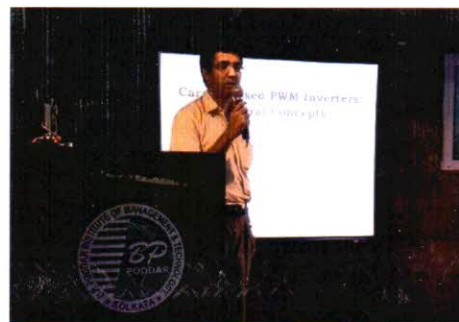
A National Conference on Information, Photonics & Communication IPC '17 was organised during 15th - 17th May, 2017 in association with ECE department, BPPIMT with Padmasree Prof. Ajoy Kumar Roy, Director, IEST as Chief guest and Key note Speaker. The pre-conference Workshop was held on 15th May, 2017 with a special hands on session on Advanced Communication. Eminent Academicians like Prof. Debasis Dutta & Prof. Goutam Saha, IIT Kharagpur, Prof. K. S. Dasgupta, Former Director, IIST, Prof. A. K. Dutta, Former Professor, C.U, Prof. Chayanika Bose, J.U, Prof. Shila Ghosh, St Thomas Engg. College, Industry personnel Mr. Debabrata Chakrabarti, Vice President, Simoco and Dr. Surojit Mondal, Associate Professor, ECE, BPPIMT delivered lectures in the conference. Total 31 (18 oral and 13 poster) presentations were delivered in the conference.

Regular Faculty Seminar Program Prasaron:

Prof. Atal Chowdhury, Jadavpur University delivered a lecture on *Digital Fountain* under Institutional Seminar Program *Prasaron* on 8th April, 2017.

Lecture Session

- Department of Electrical Engineering organised a Technical Lecture session on 1st April, 2017 in collaboration with IEEE, Kolkata section. Dr Suvarun Dalapati, IEST, Shibpur, delivered a lecture on *Carrier based PWM Inverters: General Concepts*.
- Mr. Maneesh Sahu, Kreeti Technologies delivered a lecture on 19th April, 2017 regarding pre-placement preparation for Seminar, Aptitude, Logical Reasoning, Coding, Corporate Ethics etc. and the first phase of online Employability Skill Test by Kreeti Technologies was organised for the 3rd year students on 2nd May and 3rd May, 2017.



Rabindra Najrul Jayanti

Kalakriti, the Performing Arts Forum of BPPIMT celebrated Rabindra Najrul Jayanti on 5th May, 2017.

Industrial Visit



- An Industrial visit was organized for the 3rd year CSE students
- The visit took place on 22nd April, 2017
- It was organized in collaboration with Cognizant Technology Solutions.

Programme by Alumni Association

BPPIMT Alumni Association organised a program on 6th May, 2017 to celebrate 10 years completion (2007-2017) with a prize distribution for Logo design competition amongst the students. Also there was lectures on *Recent Trend and Technology of IT Industry* by two Alumni members Subhendu Paul and Achyut Neogi. Three alumni members from the first batch (2003) were also present in the program.

Programmes by NSS

- An Awareness Campaign Program on *e Waste Management* was organised on 20th May, 2017 in association with NGO DISHA about the environmental hazards created by Electronic Wastes.
- International Yoga Day was celebrated at the Institute on 21st June, 2017. Faculty and staff members performed Yoga exercise under supervision of Yoga Instructor Ritu Singh.

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- **Editorial Committee:** The Editorial Committee consists of a team of Faculty Members with Prof. (Dr.) B.N. Chatterji, Dean Academics as the Chief Editor, Prof. (Dr.) Sutapa Mukherjee, Principal as the Chief Advisor and Dr. Arijit Saha Associate Professor as the Editor of the Newsletter.
 - **Call for Contributions:** Contribution for the Newsletter on the global and national news related to technical, economical, philosophical and general science etc. is solicited from all the members of the BPPIMT family and the students. The prospective contributors are requested to send their writings in about 200 words electronically to the mail address: bppimtnewsletter@bppimt.ac.in. Publication in the Newsletter is at the full discretion of the Editorial Committee.