



# THE BPPIMT - NEWSLETTER

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of

**B.P. Poddar Institute of Management and Technology**

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## Professor Akshay Venkatesh



Akshay Venkatesh is an Australian mathematician of Indian origin and was a professor at Stanford University. He is a professor at Institute for Advanced Study. His research interests are in the fields of counting, equidistributional problems in automorphic forms and number theory, in particular representation theory, locally symmetric spaces, ergodic theory, and algebraic topology.

He is the only Australian to have won medals at both the International Physics Olympiad and International Mathematical Olympiad, which he did at the age of 12

In 2018, he was awarded the Mathematics prestigious *Fields Medal*, known as the *Nobel Prize for math* at International congress of the International Mathematical Union at Rio de Janeiro. He is the second person of Indian descent to win the Fields Medal.

Venkatesh was born on 21 November, 1981 in Delhi, India and his family immigrated to Perth in Western Australia when he was two years old. He attended Scotch College. His mother, Svetha, is a computer science professor at Deakin University.

He got enrolled in Scotch College where attended extracurricular training classes for gifted students in the state mathematical olympiad program. In 1993, whilst aged only 11, he competed at the 24th International Physics Olympiad in Williamsburg, Virginia, winning a bronze medal. He completed his secondary education the same year, turning 13 before entering the University of Western Australia as its youngest ever student. Venkatesh completed the four year course in three years and became, at 16, the youngest person to earn of First Class Honours in pure mathematics from the University. Venkatesh commenced his PhD at Princeton University in 1998 under Peter Sarnak, which he completed in 2002, producing the thesis *Limiting forms of the trace formula*. He was supported by the Hackett Fellowship for postgraduate study. He was then awarded a postdoctoral position at the Massachusetts Institute of Technology, where he served as a C.L.E. Moore instructor. Venkatesh was awarded the Salem Prize, and the Packard Fellowship in 2007. In 2008, he received SASTRA Ramanujan Prize. The prize was presented at the International Conference on Number Theory and Modular Forms, held at SASTRA University in Kumbakonam, Ramanujan's hometown. In 2010, he was an invited speaker at the International Congress of Mathematicians (Hyderabad) and spoke on the topic "Number Theory and Lie Theory and Generalisations. For his exceptionally wide-ranging, foundational and creative contributions to modern number theory, Venkatesh was awarded the Infosys Prize in Mathematical Sciences in 2016. In 2017 he received the Ostrowski Prize, which is awarded every two years for "outstanding achievements in pure mathematics and in the foundations of numerical mathematics."

## ACADEMIC NEWS:

### Publications:

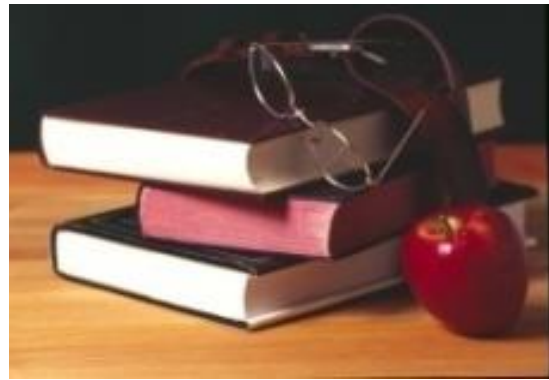
#### Journals:

**Susmita Dey**, Asmita Ray, Narayan Chandra Maiti, Provas Banerjee, Jyotirmoy Chatterjee, Santi Prasad Maity, Amit Roychowdhury, Ananya Barui, Electrical Engineering, *Precise Segmentation and Classification of Epithelial Rete-Pegs Signature in Assessing Lower Limb Wound Healing Progression*, Journal of Medical and Biological Engineering, Print ISSN: 1609-0985, Online ISSN: 2199-4757, Vol. 38, No. 4, pp. 1-12, Impact Factor 1.211, Jul- 2018

**Debarati Dey**, Pradipta Roy, Debashis De, Electronics and Communication Engineering, *Electronic Enhancement Effect of Doped Ferro- magnetic Material in Bio-molecular Hetero-junction Switch*, IET Circuits, Devices & Systems, Print ISSN: 1751-858X ,Electronic ISSN: 1751-8598, Vol. 13, No. 1, pp.1-12, Impact Factor1.3, Jul-2018



**Joyanto Roychoudhary, Neeraj Kumar, Pushpendu Kanjilal**, Electronics and Communication Engineering, *Linear Antenna Array Adaptive Beam forming for Space-Time Signal Processing Using Hybrid Genetic Algorithms Applied to Fading Channels*, International Journal of Current Advanced Research, ISSN: O: 2319-6475, ISSN: P: 2319-6505, Vol. 7, No. 7(H), pp. 14358-14363, Impact Factor 6.614, Jul-2018



**Joyanto Roychoudhary, Pushpendu Kanjilal**, Electronics and Communication Engineering, *Phased Array Antenna Adaptive Beam forming for Space-Time Signal Processing Using Hybrid Genetic Algorithms with Mutation Operator Applied to Rayleigh Fading Channels*, International Journal of Electronics and Communication Engineering and Technology (IJECET), ISSN Print: 0976-6464 and ISSN Online: 0976-6472 © IAEME Publication, Volume 9, Issue 3, pp. 36-46, Impact Factor 8.3, Aug-2018

### Conferences:

**Joyanto Roychoudhary, Pushpendu Kanjilal**, Electronics and Communication Engineering, *Smart Antenna Array Adaptive Beam forming for Space-Time Signal Processing Using Hybrid Ga-Pso Cullled Mutation Operator Using A Novel Adaptive Equalizer Applied to Fading Channels*, Institute of Electrical and Electronics Engineers.(IEEE)-ICIETS conference, ISSN-2349-5162, Sep-2018

## INSTITUTIONAL NEWS:

### New Academic session

The new academic session for 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> year B. Tech & MCA started on 16<sup>th</sup> July, 2018.

### Faculty Development Programme

A Six day Faculty Development Programme was organized by E & ICT Academy, IIT Guwahati in association with B. P. Poddar Institute of Management & Technology, on "Behavioral Remodeling for Enhancing the Classroom Delivery of Teachers" at BPPIMT on July 10-15, 2018. A Total of 47 participants, from host institute and other Institutes from West Bengal participated in the program.



### Students' Achievement

- Ms. Srishthi Ruia and Mr. Debadri Chowdhury from our final year Computer Science Engineering department for making it through to the list of top 100 Finalists in HackwithInfy, a national level Coding challenge organised by Infosys for the first time.
- The students have brought winners trophy of Rhapsody, Calcutta Medical College's fest in the theatre event on 22<sup>nd</sup> September 2018. They made us proud by securing the Winner's position yet again for the third time.





- The final year students, Shreya Chatterjee and Swagata Mallick of DRAMA TEAM (Rangamancha) won the best director title (joint). The drama was scripted by an alumnus of our college, 2018 passout, Debargha Simlai (Electrical Engineering).

### Induction Programme:

A three week Induction program for 1st year B.tech students was organized. Different modules of this programme were Interaction with mentors, Address by Professional counselor, Career opportunity session, and interaction with alumni. Yoga & Indoor games session, Movie show & Video on Human values, Address by NSS cell and various other Artistic activities.

### Industry Institute Collaboration:

- A CTS Campus Connect Session on Communication & Behavioural aspect was held in BPPIMT Main Campus on Friday 20th of July 2018 from 09:30 A.M. at the Auditorium, Block - C, 7th Floor. The seminar has been conducted by Mr. Saikat Saha - Learning & Development Team, Cognizant Technology Solutions.



- The Industry Institute Partnership Cell of the college organised an Industry Talk on “Intelligent Automation” on 4th August, 2018 at the seminar hall of the Institute. The speaker was Mr. Caesar Chatterjee of the IBM India Pvt. Limited who is the Technology Leader of IBM Automation with Watson Platform. 150 no. of students of the final year and pre-final year of all the five departments attended the session. It was a very informative session about the current practices of the IT Industry.

### Seminar/Workshop:

- A seminar on “Android Application Development” was organized by Department of Computer Application on 16th August, 2018. The seminar was conducted by TechTree Technologies, an IT education institute based on Kolkata, West Bengal. This seminar on the introduction to android platform was delivered by their Business and Operation Head, Mr. Mukul Basu and Business Manager, Ms. Priya Nandi.



- Two-days of workshop was held during 16th -19th August especially for the students of final year BCA, pre-final year and final year MCA. TechTree technologies is a pioneering educational institute in Information Technology software, hardware and analytics training. Using their enhanced global software training approach and industry expertise they are nurturing the naïve skills for the IT industry. Two-days of hands-on workshop was conducted on

android programming for the students in their corporate venue.

- A 3 days workshop on DATA SCIENCE ALGORITHMS using Python and R was organized by Department of Computer Science and Engineering, BPPIMT on September 13-15, 2018. The workshop was followed by lecture sessions of Dr. Debashish Chakravarty, IIT KHARAGPUR and Dr. Goutam Kumar Paul, ISI KOLKATA. The program was organized in association with National Institute of Industrial Training ( NiiT ) and in collaboration with Computer Society of India (CSI).



● **Student Chapter:**



- An one day Seminar along with hands on experiments and a technical quiz competition on "IOT, The Emerging Future", was organised by YPS, IET Kolkata Network in association with IET Students' Chapter BPPIMT on 1st September 2018 at B.P.Poddar Institute of Management and Technology

- A Seminar on VLSI Design & Microelectronics Technology was organized by the Department of Electronics and Communication Engineering in association with SPIE Student Chapter, BPPIMT on the 8th of September, 2018. This Seminar on VLSI Design & Microelectronics Technology provided an open forum to faculty members, graduate and undergraduate students with an emphasis on Design of VLSI Systems and Microelectronics Technology. The eminent speakers - Prof. Susmita Sur Kolay (ISI, Kolkata), Prof. Susanta Sen (Institute of Radio Physics and Electronics, University of Calcutta), Prof. Chandan Kumar Sarkar (Jadavpur University) and Prof. Tarun Kanti Bhattacharyya (IIT, Kharagpur) shared their knowledge and experiences in this field and made this seminar a huge success.



**Forum Activity**

Grey Matters, the annual quiz competition of the Institute was held by the Orator's Forum in association with the Alumni association on 8th September 2018. More than 300 students participated in the prelims and 6 teams with 2 contestants each, including a team from the alumni. Alumni members Anubhab Dutta and Anirban Sarkar secured the 1st position, Rajsekhar Roy Chowdhury and Srinjan Ghosh of 2nd year CSE were the runners up while Rajdeep Saha and Ronojoy Hazra of 3rd year CSE department finished at the 3rd position.



**Biswakarma Puja Celebration:**

Biswakarma Puja was celebrated with great zeal by the student and staff members on 17<sup>th</sup> September, 2018.

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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: [bpimnewsletter@bpim.ac.in](mailto:bpimnewsletter@bpim.ac.in). Publication in the Newsletter is at the full discretion of the Editorial Committee.