

Short Profiles of IETE BoRIS Members

Prof (Wg Cdr) Pradeep Prabhakar (Retd) (F-030017) is known for his academic and professional accomplishment, vast administrative experience and vision towards higher technical education, skill development in upcoming frontal areas and innovation.



He has more than 45 years of professional experience including 22 years in Indian Air force. During his service career, he held various prestigious appointments and was specially selected for the Induction of Mirage- 2000 Aircraft Weapon System with M/S Matra, France. He commanded two very important Units and received many honours, awards and appreciations during his service career. He took premature retirement as Wing Commander. For the last 23 years, he has been Director- Principal of many prestigious engineering colleges in states of Punjab, Haryana and Himachal Pradesh. He also has served two prestigious Universities. He has 40 years long association with IETE. His involvement with IETE Chandigarh Centre started in 1999 as EC member and then subsequently as it's Chairman from 2004-06. As Centre Chairman, apart from managing important activities, he put in dedicated efforts for the construction of the Auditorium, Committee Room and e- learning infrastructure. Now, the same are the major source of revenue generation for the Centre. In the Governing Council (2019-22), he will be the senior most serving GC member, from 2004-06 as Ex officio member, 2010-13(1st term), 2014-15(Casual vacancy), 2015-2018 (2nd term). As a Governing Council member, he has been very regular in attending GC meetings and has contributed immensely towards technical programmes, academic/ student affairs including ISFs, centre(s) affairs, membership growth, interaction with various Ministries of Govt. of India, skill development programs and alumni affairs. He was part of the team representing our case for recognition of Courses with AICTE and subsequently pursuing the case of establishing IETE University with the Govt. of Manipur. To bring Srinagar on the map of IETE, he was instrumental in conducting IETE Golden Jubilee two days Seminar at NIT Srinagar in collaboration with Kashmir University and NIELET. During the same period, an ISF was also established at NIT, Srinagar and 70 new Corporate Members were also inducted. He successfully conducted three (2016, 2017 and 2018) national level Innovation Meets involving young talent, researchers and members of prestigious Industry. He received appreciation for IETE from BIS Council for positive contribution and ensuring participation in 05 important BIS Committees. Due to his efforts as Chairman, BoRIS, IETE received Scientific and Research Organization (SIRO) recognition for the period 2018-21. During his forty years long association with IETE, he has always been striving for the betterment of the organization and its commitment for benefits of society at large.



Dr D C Pande (F-126202) was an outstanding Scientist & Associate Director at Electronics & Radar Development Establishment (LRDE) and presently he is Dr Raja Ramanna DRDO Distinguished Fellow. He received his BSc & MSc degrees in Electronics from Garhwal University, India in 1974 and 1976 respectively and later obtained his PhD in Applied Physics in 1982 from University of Allahabad, India. Dr Pande began his scientific career in 1981 with LRDE, DRDO, Bangalore, where he was involved in the design & development of Electromagnetic Interference Control Techniques for ground based, airborne and ship-borne equipments and systems. He had designed developed the passive and active Antennas and Test Facilities for various radar programs of DRDO. He has published more than 150 research papers and 50 technical reports. He is a founder life member of Society of EMC Engineers and presently the Chairman of the Society. He was Chairman of IETE Bangalore Centre during 2014-2016 and the Chairman of the IEEE EMC Chapter in Bangalore. Dr Pande received many honours and

awards, including Certificate of Acknowledgement in 2016 by IEEE EMC Society; Prof SN Ghosh Award of IETE Allahabad Centre in 2015; "Certificate of Achievements" by the Chief of Naval Staff in 2014 and "DRDO Technology Group Award in 2011". Dr Pande has become HPEM Fellow since July 2016.



Prof (Dr) Nilesh N Kasat (F-155667) is BE in Electronics & Telecommunication from Govt. College of Engg, Amravati; ME in Digital Electronics & PhD in Electronics & Telecommunication Engg from Sant Gadgebaba Amravati University, Amravati. Currently, he is working as Professor in Dept of E&TE at Sipna College of Engineering & Technology, Amravati. He has published technical papers in national and international journals and has filed for patents. He has actively been involved in activities of IETE like growth of membership, student affairs and conduction of various technical activities. He has also been instrumental in the phenomenal growth of IETE Amravati Centre. During his tenure, the Centre bagged the Best Centre Award, twice. His areas of interest include Microprocessors, Microcontrollers and Embedded Systems & Parallel Computing. His vision is to encourage technological upgradation of the participants by enhancing their professional skills.

Prof (Col) S L Kapoor (F-119778) is an alumnus of IIT Kanpur. While working in the Indian Army in Corps of Signals, he has successfully planned, executed and operated complex military strategical and tactical communication networks for 33 years. He has been the Director of Defence Standardization at DRDO Bangalore. Since retirement from the Indian Army in 2005, he has been working as Professor and Head in a reputed private engineering college at Ghaziabad. He has been member of IETE Governing Council during 2008- 10 when he served IETE Noida Centre as the Chairman and subsequently in 2012-15.



Dr Pramod Kumar Singhal (F-068409L), Chairman IETE Bhopal Centre has obtained BE degree in electronics engineering from Jiwaji University, Gwalior in 1987, MTech in microwave electronics from the University of Delhi, Delhi in 1989, and PhD in electronics engineering from Jiwaji University in 1997. He started his career as Lecturer in Madhav Institute Technology & Science, Gwalior (A Govt aided UGC Autonomous Institute), wherein he was first promoted as Reader in 1996 and later as Professor in 2004. He completed six tenures of two years each as Head of the Department. Presently, he is working as Controller of Examination since 2017. He also worked as Dean (Academic) for one term of two years. Dr Singhal has completed a number of research projects sponsored by Dept of Science and Technology, Govt of India; All India for Technical Education, New Delhi; University Grants Commission, New Delhi; and MP Council of Science and Technology, Bhopal. He has been the recipient of the AICTE Career Award.

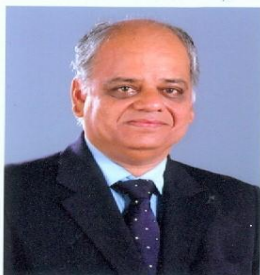


Dr Singhal has published over 150 research papers in international and national journals, including IEEE Transaction & in conferences. He has supervised 7 students who have been awarded PhD degrees and a number of research scholars are still being supervised for their PhDs, guided over 100 ME/MTech dissertations, organised number of conferences in association with IETE, CSI, and IEEE, organised number of FDPs with the financial support of AICTE, New Delhi. He is senior member of

many professional sister societies. He worked as Honorary Secretary for IETE Gwalior Sub-Centre and Chairman, IE (I) Gwalior Chapter. He is now elected as Chairman of IETE Bhopal Centre.



Dr Jyotsna Kumar Mandal (F-232495L) is an incoming Chairman of IETE Kolkata Centre. He is MTech in Computer Science from University of Calcutta in 1987, PhD (Engineering) in Computer Science and Engineering from Jadavpur University in 2000. Presently, he is working as Professor of Computer Science & Engineering, at University of Kalyani. He is a Former Dean, Faculty of Engineering, Technology & Management, KU, for two consecutive terms during 2008-12; Director, IQAC and Chairman, CIRM, Kalyani University. He served Kalyani Government Engineering College, as a Professor Computer Applications for two years; North Bengal University as an Associate Professor of Computer Science for 8 years & as Assistant Professor for seven years; NERIST, Itanagar as lecturer for one year. Dr Mandal has a total of 34 years of teaching and research experience in coding theory, data and network security and authentication; remote sensing & GIS based applications; data compression, error correction, visual cryptography and steganography. He has guided 23 PhD students with their thesis (one submitted and 8 are pursuing); supervised 03 MPhil students; 80 plus MTech and 130 plus MCA Dissertations. Guest Editor of MST Journal (SCI indexed) of Springer, Dr Mandal has published more than 400 research articles in national and international journals; 8 books from Springer, LAP Germany, IGI Global etc. His recent published text book on Reversible Steganography and Authentication via Transform Encoding from Springer is available at <https://link.springer.com/book/10.1007/978-981-15-4397-5>. He has organized about 35 international conferences. He is on the editorial board of Springer, IEEE and Elsevier for edited volumes and conference publications. He has completed five research projects for which grants were received from AICTE and Govt of West Bengal. He served as Hony Secretary, IETE Kolkata Centre, Chairman CSI Kolkata Chapter and CSI Siliguri Chapter. He has also been conferred with “SikshaRatna” award for his outstanding performance in education in 2018 by the Higher Education Dept, Government of West Bengal, India.



Prof (Dr) R D Kharadkar (F-233928L) is ME (electronics) & PhD (electronics engg). He has 34 years academic experience & 02 years industrial experience. From last thirteen years, he has been working as the Director of G H Raison Institute of Engineering & Technology, Wagholi, Pune, wherein he has set up the IIT Bombay Remote Center, NPTEL Center, Innovation Center, and Virtual Lab Nodal Center, which made the Institute secure 24 merit ranks in SP Pune University .

Dr R D Kharadkar was earlier associated with IETE Pune Center as its Vice Chairman, Hony Secretary and now as its Chairman. He has rich research experience and presented 32 journals papers and 11 conference papers. His research areas include signal processing & artificial intelligence. He is the Managing Editor for “International Journal of Advanced Computing & Knowledge Discovery”. He is PhD guide for SP Pune University and has guided ten PhD students. He filed five patents, published a number of articles on quality education and on technology development in the leading English and Marathi newspapers. He visited the leading Universities of USA, Singapore and Dubai to study best practices in engineering education. He was the member of Board of Studies of SP Pune University, Bharti Vidyapeeth, Pune and Solapur University and contributed for curriculum development; and

member of Faculty of Engineering, SP Pune University. He is active member of NGO “Snehaseva” and involved in CSR activities like aids to orphanages, education to unprivileged class of the society. Recently, he has received the “Best Director Award” of SP Pune University.



Prof (Dr) Udhav V Bhosle (F-156349L) is currently Hon'ble Vice-Chancellor of Swami Ramanand Teerth Marathwada University (SRTMU) since 2018. Earlier, he served Vilasrao Deshmukh Foundation and Manjara Charitable Trust as Director and Vice President, Technical for about 4 years. He has a total 28 years of teaching & administrative experience, including 13 years as principal at MCT's Rajiv Gandhi Institute of Technology, Mumbai. Dr Bhosle received his PhD in electrical engineering from IIT-Bombay in 2004; ME in communication engineering and BE in electrical engineering from SGGS Institute of Engineering & Technology, Nanded, in 1995 and 1989 respectively. He has successfully completed three research projects sponsored by AICTE through Research Promotion Scheme (RPS) and Modernization & Removal of Obsolescence (MODROB). He has published about 57 papers in national & international conferences and in various journals. Prof (Dr) Bhosle was also the Member/Chairman of Council/ Committees/BOS of various Universities.

Prof Bhosle served as the Chairman IETE Mumbai Centre, during 2016-18, when he was in the Governing Council. He was the Nominated member in the IETE Governing Council also during 2019-20.



Dr M H Kori (DF-116028L), one of the leading wireless & mobile telecommunications & RF experts, has more than 40 years of experience in telecom, RF, microelectronics & IT. His research, industrial and academic experiences include work at Alcatel-Lucent Technologies as Technical Director & also as Head of Hyderabad R&D Unit; Head of Wireless Division C-DOT; VP Geosoft Technologies; Head Telecom DSQ Software; IIT Bombay; University of Duisburg, Germany; Advisor Validus Technologies USA, Consultant TSDSI. His professional contributions include extensive research work in wireless & mobile communications, head of architecture team in Lucent Technologies working on many technologies leading to 5G; digital microwave development at C-DOT; Visiting Fellow at University of Duisburg Germany, designed MMIC Chips fabricated at Daimler Benz MMIC Foundry, Germany; Member of several advisory & standards committees - Study Group NWG 9 of ITU-R; guided students for MS/PhD at IISc/BITS & other Institutes; Member of Advisory Committee / Academic Council for many Institutes / Universities.

He has published and presented many papers in journals & conferences, conducted workshops at national & international conferences, has been the Chair, Co-Chair of several conferences, co-author, contributing editor and co-editor of the books, conference proceedings. He is the Organizing Chair of the International Radar Symposium and International Symposium on Microwaves. Dr Kori is the immediate past Chairman of International Microelectronics & Packaging Society (IMAPS) India; past TPC Chairman of IETE; past Chairman IETE Bangalore Centre; past Vice Chairman of IEEE MTT & ED Society and past EC Member IET. He is the recipient of RVCE World Telecom Day Award & IETE Batra Memorial Award. Dr Kori holds PhD from IIT Bombay.



Dr Niranjana Prasad (F-120832L), Scientist-G (Level-14 equivalent to JS Rank) has been working in DLRL, DRDO since more than 3 decades. His academic qualification includes BE (ECE) from BIT, Ranchi University; ME in microwave and radar engineering and PhD from University College of Engineering (Autonomous), Osmania University, Hyderabad. He has been instrumental in the design, development of broadband antennas for GCC Aakash of prestigious IGMDP Missile Programme, Radar ECM Sub-Systems and Integrated Systems for the Indian Navy, Indian Air Force and Indian Army under many projects and programmes. Till recently, he has been heading as Deputy Project Director (Radar Segment) of Project National Open-Air Range (NOAR). Presently, he is working for the design and development of AI/ML based Cognitive EW Systems as a part of Futuristic EW Technologies.

He has served IETE Hyderabad Centre as Member EC, Chairman of many Sub-Committees. Authored more than 25 technical papers published in reputed national and international journals & conferences in India and abroad. Guided more than 100 BE/BTech, ME/MTech students and currently 5 research scholars are doing their PhDs under his supervision. He is recipient of Technology Group Awards for his significant contributions in Defence Projects. He is FIETE; Member IGU; Member IGSS, Australia and Member of Association of Old Crows (AOC), USA.



Prof (Dr) Ajay Agarwal (F-235656) is Senior Principal Scientist, at CSIR-CEERI, Pilani and Associate Dean (Engineering Sciences), AcSIR. Earlier, as Member of Technical Staff he served Institute of Microelectronics, Singapore for over 9 years and SCL, Chandigarh & USHA India, Faridabad for over six years.

He is semiconductor expert and involved the development of Nanotechnologies, MEMS, micro fluidics and Micro-sensors. His engagement with semiconductor industries and research institutes is for over 3 decades. He has ~290 research publications in journals or conferences, 80 invited/ plenary/ keynote talks and over 35 patents (granted or filled). He has supervised 15 Ph.D. students so far.

He is Senior-member of IEEE, USA since 2006 and Vice-Chairperson, IEEE Rajasthan Subsection; Life Fellow & Chairman, Pilani of IETE (India) and Semiconductor Society of India; Life Fellow of MSI (India), & The Institution of Engineers (India), and member IAAM-International Association of Advanced Materials, Sweden & MRS, Singapore [till 2009], etc. and Associate Editor, Healthcare Technology Letters, etc.

Awards:

1. Outstanding Engineering Services to Society Award 2021, The Institute of Engineers (India) Rajasthan State Centre
2. 2020 CSIR Technology Award (Innovation)
3. 2013 DST-UKIERI Thematic Partnerships Award, India
4. 2008 National Technology Award, Singapore
5. 2009 Excellence Award, IME Singapore
6. Collaboration Development Award, British High Commission, Singapore 2005 & 2006,
7. Super Kaizen (4 times) & Best Kaizen (7 times) at USHA (India) Ltd., etc.
8. His biography is included in the Who's Who in the World, since 2010 & in Who's Who in Asia since 2012.

Leadership role:

1. Head, Technology Business Development, CSIR-CEERI (currently)
2. Area Coordinator, Smart Sensors Area, CSIR-CEERI, 2016-2020
3. Head, Nano Biosensors Group, CSIR-CEERI, 2016-2020
4. Head, MEMS Group, CSIR-CEERI, 2015-2016
5. Lead network projects in 12th 5-year plan and in CSIR mission, etc



Dr G Laxmi Narayana (F134038L) has received the degrees of BE- Osmania University (OU), Hyderabad; MTech-IISc, Bangalore and PhD- JNTU, Hyderabad. He has started his career as a Trainee, went on become to Instrumentation Engineer and later took up the teaching profession as a Lecturer - at ECE Dept, OU, Hyderabad. He also worked as HoD, ECE at Sree Nidhi Institute of Sci & Tech, Ghatkesar. Since 2012 he has been working as the Principal in Anurag College of Engineering, Ghatkesar. He is a technical consultant for many industries in public and private sector like BHEL, South Central Railways, small industries and hospitals. He has guided more than 300 UG and 40 PG projects in engineering. He is an associate editor for "Journal of Innovation in Electronics and Communication Engineering". He has published 21 research papers in International and national journals. He has authored and published a book "Integration of Space Born and Ground Based Navigation Systems", published by LAMBERT Academic Publishing (July 28, 2012), USA. He is a life member of IETE, ISTE, and member of IEEE. He served IETE Hyderabad Centre in the capacity of Hony Treasurer (2014- 16). Now, he has been elected unanimously as IETE Centre Chairman, Hyderabad for the year 2016-18.