

Authors Biography

Ashok Agrawal is the managing director for professional services and director of external affairs at the American Society for Engineering Education. Dr. Agrawal holds a Doctorate in Management degree from the University of Maryland University College, an MS degrees in Materials Science and in Mining Engineering from the University of Kentucky, and a BS



degree in Metallurgical Engineering from Nagpur University in India. Prior to assuming the present position he was the vice president for Academic Affairs, and dean of the Math, Science, Engineering, and Technology Division at St. Louis Community College at Florissant Valley. His efforts led to the establishment of the Emerson Center for Engineering and Manufacturing, and creation of several customized training programs for key regional corporations including Ameren, AT&T, and Boeing. In 2006, he was appointed by the Governor of Missouri to serve on the Missouri Math, Engineering, Technology, and Science (Mo-METS) task force, and served on the Mo-METS coalition. He also served on the planning team of the St. Louis Region's FIRST Robotics Competition, and is a member of the Society of Manufacturing Engineers- Education Foundation board.

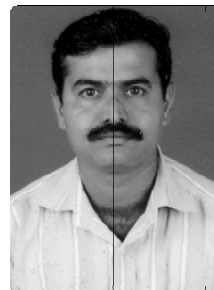
Ashok was the recipient of the 2003 Florissant Valley David L. Underwood Lecture Award, and also the Governor's Award for Excellence in Teaching. An ASEE Fellow and a Life Member, he is the recipient of 2012 James H. McGraw Award and 1996 Frederick J. Berger Award. He has served ASEE in numerous offices of the Engineering Technology Council and Division, and on the Technology Accreditation Commission of ABET. Dr. Agrawal has received several grants from the National Science Foundation (NSF), and other public and private agencies. He has served as a Program Officer at the Division of Undergraduate Education at NSF. Ashok has also served on several National Academy of Engineering (NAE) study committees, including Making Value of America, Guiding Implementation of K-12 Engineering Education, and Committee on Community Colleges Role in Engineering and Education.

Stephanie Harrington Hurd is Director of Membership Marketing and was previously Manager for International and K-12 Activities at ASEE. She previously managed various engineering education initiatives at JETS, Inc. and was the Program Manager of the AbilityOne/National Engineering Design Challenge, a



competition for high school and university students. Stephanie was an Instructor at the Catholic University of America in both School of Architecture and the School of Engineering where she also served as the Assistant to the Dean for Outreach. Stephanie coordinated multiple outreach programs including a summer residential program for high school students at Catholic University. Stephanie began her career as a Structural Engineer for the Office of Overseas Building at the US Department of State and later worked as consulting Structural Engineer on residential and commercial designs. Stephanie holds a BS in Civil Engineering from the University of Virginia and an MS in Civil Engineering for the University of Texas at Arlington. She is also currently adjunct faculty at Northern Virginia Community College.

Shivanand P Prabhuswamimath has done his B.E in Mechanical Engineering from Rural Engineering College, HULKOTI. He is working as Lecturer in Automobile Department, KLE'S B V B College of Engineering and Technology, Vidyanagar, HUBLI since September 2006. He has worked as a Lecturer in Mechanical Department, SGEES Rural Polytechnic, Tarihal,



HUBLI. He has worked as Software Engineer in GUI systems, Dharwad (INSZOOM website) DHARWAD. He has worked as a faculty at Computer Education Centres in Hubli/Dharwad. He has worked as a Trainee Engineer at HMT watch Factory I & II, Jalahalli, Bangalore. Worked in various departments i.e. Auto Turning Shop, Design and Testing & Quality Assurance.

Krishnraja G. Kodancha, obtained M. Tech.in Design Engineering from Indian Institute of Technology, Chennai, India in 2002 and Ph. D from Visvesvaraya Technological University, Belgaum, Karnataka, India in 2012. He has more than 21 years of teaching and research experience and has several technical papers to his credit. He is presently working as Professor and Coordinator, M. Tech, Machine Design, in the Department of Mechanical Engineering, B.V.B. College of Engineering and Technology, Hubli, Karnataka. His research interests include stress analysis and fracture mechanics.



S. D. Rajan Dr. Rajan began his academic career at ASU in Fall 1983. His research and teaching interests include the general area of finite element analysis and design optimization. He is the Director of Computational Mechanics Lab where algorithms for high-performance computations are developed and implemented. Dr. Rajan has worked on research projects sponsored by government agencies such as NSF, NASA, FAA, ARO and FHWA, and private companies such as Motorola, Honeywell Engines, SRP, Tyco International, Alcon and HYI working in diverse areas as design optimization, parallel processing, constitutive material modeling, microelectronic packaging, web-based distant learning, impact mitigation, biomechanics and engineering software development. Dr. Rajan is the author of the undergraduate John Wiley textbook Introduction to Structural Analysis and Design.



Sunita M. Dol (Aher) received the B.E degree in Computer Science & Engineering from Amravati University, Amravati, and the M. E. degree in Computer Science and Engineering from Solapur University, Solapur. She is presently working as an Assistant Professor, in Department of Computer Science and Engineering, Walchand Institute



of Technology, Solapur, Maharashtra, India.

She is twice recipient of awards from Infosys DC Pune, under Inspire-Campus Connect Faculty Excellence Award for the work in Education Technology as Distinguished Facilitator for 2014 and Content Guru for 2015 respectively.

She has more than 40 papers in International/National Journal and Conference. She is the editorial member of two international journals and the reviewer for Elsevier, IEEE journal and International conferences. She was the co-coordinator and resource person for AICTE sponsored workshop. She received a scholarship for attending 5th IEEE Conference on Technology for Education. Her research interest includes Data Mining and Education Technology.

S. A. Halkude, M.Tech. (IIT, Bombay in Civil Engineering), Ph.D. (IIT Bombay) is working as a Principal at Walchand Institute of Technology Solapur. He has worked as Dean, faculty of Engineering & Technology, Solapur University, Solapur (Maharashtra, India) till August-2015. He has more than 50 research publications in International/National Journals/Conferences.



He is recipient of IGS-Dr. B.B. Rai- S. N. Gupta Biennial Prize for the best paper on "Earth and Earth Retaining Structures". He is also recipient of Eminent Educationist Award by National & International Compendium, New Delhi (India) and Best Principal Award in Solapur University Jurisdiction (2015-16). Fellow member of The Institution of Engineers (India), Life Member of Indian Society for Technical Education, New Delhi and Life Member of Indian Society for Rock Mechanics and Tunneling Technology, New Delhi.

Savita Yadav is working as Assistant professor in Netaji Subhash Institute of Technology, New Delhi and has worked as a lecturer in Ansal Institute of Technology, Gurgaon. She has done her M.Tech in Computer Science & Engineering from GJUS&T Hisar, M.Sc in Physics from Delhi University and B.Sc. (Hons.) in Physics from Delhi University. She has 9 years



of teaching experience in various Engineering colleges. She has an exposure in teaching various computer science and engineering subjects like Operating system, Software engineering, Theory of automata, Expert system, Decision support system, Object oriented programming, Data structure, Computer networks, Mobile adhoc networks, C, C++, etc.

Shreeshail M. L. is working as an Assistant Professor BVBCET, Hubli, Karnataka. He has done his M.Tech. in Manufacturing Science and B.E. in Mechanical Engineering from Visvesvaraya Technological University, Belgaum. His teaching subjects include Machine Drawing, Computer Aided Engineering Drawing, Finite Element Analysis, and CIM. He is an active Life member of Tribology Society of India. He has published 06 technical research papers.



C. M. Koti is working as a Professor in K.L.E. Tech University. He has done his M.Tech. in Heat Power and B.E. in Mechanical Engineering. He has 41 years of teaching experience. His research and teaching interests are Thermal science, Machine drawing, Engineering Drawing and 3-D modeling. He is a Life member of ISTE and Fellow Institute of Engineers.



K.V. Suresh received B.E. degree in electronics and communication engineering in the year 1990 and M.Tech in industrial electronics in the year 1993 both from the University of Mysore, India. From March 1990 to september 1991, he served as a faculty in the department of electronics and communication engineering, Kalpataru Institute of Technology, Tiptur, India. Since 1993, he is working as a faculty in the department of electronics and communication engineering, Siddaganga Institute of Technology, Tumkur, India. He completed Ph. D in the department



of electrical engineering, Indian Institute of Technology, Madras in 2007. His research interests include signal processing and computer vision.

Radhika Devi V is an Associate Professor in Physics at MLR Institute of Technology, Hyderabad, Telangana State. She holds a Ph.D. degree in physics from Hyderabad Central University, Hyderabad. She is a recipient of "Swarna Jayanthi Puruskar" from National Academy of Sciences India (NASI) in 2007 for presenting best research paper on "Electron Correlations in GaAs". She has published 14 papers in international journals on various topics in computational physics.



S. S. Rathod received Ph.D. from IIT Roorkee. Presently he is Professor and Head of Electronics Engineering Department at Sardar Patel Institute of Technology Mumbai. He has 18 years of teaching experience. His special fields of interest include VLSI design, device modeling and circuit simulation. He is recognized Ph.D. guide of Mumbai University for Electronics as well as Electronics & Telecommunication Engineering.



He has published more than 50 papers in various national and international conferences and published more than twenty papers in international journals like journal of applied physics, IEEE transactions on electron devices, Elsevier microelectronics reliability etc. He is reviewer of IEEE transactions on Electron Devices, Elsevier Microelectronics Journal, Microelectronics Reliability and of several national and international conferences. Three times he received best paper awards. He received outstanding achievement award (2007) by the Energy Society of India from Governor of Pondicherry. He received 'ISTE Best Engineering College Teacher Award for Maharashtra State' in year 2012.

Dhananjay Kalbande is currently a Professor and Head in Department of Computer Engineering, Sardar Patel Institute of Technology, Andheri (West), Mumbai, India. He has completed B.E. in Computer Technology, Master of Engineering in Information Technology and obtained Ph.D from University of Mumbai, Mumbai in 2011.



He has over 16+ Years experience in teaching & research. He is recognized as Ph.D. guide in Mumbai and Nagpur University. He is currently guiding 6 research scholars in the area of Soft Computing, Big Data Analytics, Mobile Cloud Computing and Imaging Analytics. His area of interest is Soft Computing, Human Computing Interaction, Mobile device applications and Decision making etc. He has authored the three books namely Graphical User Interface by Pareen Publications, Mumbai, Management Information System By Pareen Publications, Mumbai and Human Machine Interaction by Wiley Publication. He has delivered and conducted the workshop plus seminar talk on Neural Network & Fuzzy Logic, dot Net., Big Data, Research Methodologies , Outcome based accreditation process for various Engineering Institutes. He has more than 42 papers published in International conference and journals like IEEE, ACM, Springer, Elsevier, IIIE etc.

Uma Rao K began her academic career at Gandhi Institute of Technology & Management, Visakhapatnam, Andhra Pradesh, India in 1987. She obtained her B.E in Electrical Engineering and M.E in Power systems from University Visvesvaraya college of Engineering, Bangalore and her Ph.D from Indian Institute of Science, Bangalore. Her research and teaching interests include FACTS, Custom Power, Power Quality , renewable energy and technical education. She is currently Professor, department of Electrical & Electronics Engineering, R.V. College of Engineering, Bangalore.



Prema V Began her academic career at The Oxford College of Engineering, Bangalore in 2005. Her research and teaching interests include Power Electronics, Renewable Energy and Digital Signal Processing. She is currently working as Assistant Professor in R.V.College of Engineering, Bangalore, India.

