

# Biography of Professor Michael Shur



Michael Shur received his M. S. E. E. degree (with honors) from St. Petersburg Electrotechnical Institute, Ph. D. in Physics and Mathematics from A. F. Ioffe Institute of Physics and Technology and Doctor of Science in Physics and Mathematics degree from A. F. Ioffe Institute in 1992. He has held research or faculty positions at A.F. Ioffe Institute, Cornell, Oakland University, University of Minnesota, and University of Virginia, where he was John Money Professor of Electrical Engineering and served as Director of Applied Electrophysics Laboratories. He is now Patricia W. and C. Sheldon Roberts'48 Professor of Solid State Electronics, Professor of Physics, Applied Physics and Astronomy, Acting Director of Center for Integrated Electronics, Director of Center for Broadband Data Transport Science and Technology, and Director of the RPI Research Site of the NSF I/UCR

Center "Connection One". Dr. Shur is a Fellow of Institute of Electrical and Electronic Engineers (IEEE), Fellow and Life Member of the American Physical Society (APS), Fellow of Electrochemical Society (ECS), Fellow of World Innovation Foundation, Fellow of AAAS, Fellow of EIT, Life Member of IEEE MTT, Sigma Xi, and of Humboldt Society of America, Member of Eta Kappa Nu, and Tau Beta Pi, Electromagnetic Academy, Materials Research Society, and ASEE, an Elected Member and former Chair of US Commission D, International Union of Radio Science (URSI), and elected Member of NRC of URSI (2003-2004). Dr. Shur is Editor-in-Chief of the International Journal of High Speed Electronics and Systems, Editor of the book series on Selected Topics in Electronics and Systems published by World Scientific, Regional Editor for North America of *physica status solidi*, Member of the Honorary Board of Solid State Electronics, Member of the International Advisory Committee of Journal of Semiconductor Technology and Science, Vice-President for publications of the IEEE Sensor Council, and Member (1999-2003) and Chair of the IEEE Prize Papers/Scholarships Award Committee 2004-2005. He is also Distinguished Lecturer of IEEE Electron Devices Society (EDS) and served as Distinguished Microwave Lecturer of IEEE Microwave Theory and Techniques (2003-2006). In 1990-1993, he served as an Associate Editor of IEEE Transactions on Electron Devices.

Dr. Shur has served as Chair, Program Chair, Organizing and Program Committee Member of many IEEE conferences. He is one of co-developers of AIM-Spice (with over 60,000 users world wide) and co-founder of Sensor Electronics Technology, Inc - the first and the only commercial supplier of deep UV LEDs and the winner of Palmetto Pillar Award for Technology Development.

Professor Shur has published many technical papers, authored, co-authored or edited many books and book chapters, and has been awarded over 35 patents on semiconductor devices and circuits. Several of his technical publications received the best paper awards. In 1994, the Saint Petersburg State Technical University awarded Professor Shur an Honorary Doctorate. Among his other awards are 2007 IEEE Donald Fink Prize, 2007 IEEE Leon K. Kirchmayer Award, the Gold Medal of the Russian Ministry of Education, several A. F. Ioffe Best Paper Awards, van der Ziel Award, Senior Humboldt Research Award, Pioneer Award from Compound Semi, RPI School of Engineering Research Award, and Commendation for Excellence in Technical Communications. Dr. Shur is listed by the Institute of Scientific Information (ISI) as one of the Highly Cited Researchers.