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Dr. Jean-Pierre Leburton earned his “License” (B.S) and “Doctorat” (Ph.D) in physics with the highest honors from the University of Liege, Belgium, in 1971 and 1978, respectively. He is presently Professor in the Department of Electrical and Computer Engineering at the University of Illinois in Urbana-Champaign. He is also Research Professor in the Coordinated Science Laboratory and a full time Research Faculty in the Beckman Institute. Dr. Leburton joined the University of Illinois in 1981 from Germany where he worked as a research scientist with the Siemens A.G. Research Laboratory in Munich. In 1992, as a visiting Professor, he held the Hitachi LTD Chair on Quantum Materials at the University of Tokyo, and was a Visiting Professor in the Federal Polytechnic Institute in Lausanne, Switzerland in 2000. He is involved with research in nanostructures modeling and quantum device simulation. His present research interest encompasses quantum well and quantum dot laser simulation, spintronics in quantum dots, non-linear transport in quantum wires and carbon nanotubes, and hybrid semiconductor-bio-systems such as semiconductor nanopores for applications in DNA sensing and sequencing.

Professor Leburton is author and co-author of about 300 technical papers in international journals and books. He has an impressive list of invitations to international conference and research institutions, and served in numerous conferences committees. In 1993 he was awarded the title of “Chevalier dans l’Ordre des Palmes Academiques “ by the French Government. He is a Fellow of the Institute of Electrical and Electronic Engineers (IEEE), the American Physical Society (APS), the Optical Society of America (OSA), the American Association for the Advancement of Science (AAAS), and the Electrochemical Society (ECS). He is also a member of the New York Academy of Science. He is the ISCS-2004 recipient of the Quantum Device Award, and of the Gold medal for scientific achievement awarded for the 75<sup>th</sup> anniversary of the Alumnus association of his Alma mater, the University of Liege, Belgium in 2004.