



**Dr. Andrei Kulikovsky** graduated from the Faculty of Theoretical and Experimental Physics of the Moscow Engineering—Physical Institute, one of the leading physical schools in the former USSR. In 1984, he defended his PhD thesis at the Institute for High Temperatures of the USSR Academy of Sciences. In 1998 he got the Doctor of Sciences (Research Professor) degree in physics and math from the M.V.Lomonosov Moscow State University. While working in Russia, his main research interests were in the field of numerical and analytical modeling of gas discharge plasmas.

In 1998, Dr. Kulikovsky moved to the Forschungszentrum Juelich (Research Centre Juelich), Germany, where Alexei Kornyshev engaged him into modeling of fuel cells, cell components and stacks. Over the past 15 years, Andrei published more than 70 research papers, most of which have a sole author. In 2012, he published a book “Analytical modeling of fuel cells” (Elsevier, 2010), which has been the first monograph on modeling of polymer electrolyte, direct methanol and solid oxide fuel cells performance. His current research interests include modeling of fuel cells and catalyst layers, macroscopic modeling of aging and defects in cells, analytical study of transport and kinetic processes in cells and stacks, impedance spectroscopy of cells. Andrei’s work has always been focused on development of simple analytical models aiming at understanding phenomena of interest.