

## Delegation - Canada



Ion Stiharu  
*Concordia University, Professor*



Dr. Ion Stiharu is a professor in the Department of Mechanical, Industrial and Aerospace Engineering in Gina Cody School of Engineering at Concordia University in Montreal. Over his 30 years of academic career at Concordia, he promoted and contributed to the initiation and growth of MEMS and nanoengineering in the university. He is one of the co-founders of the microsystems initiative in Canada back in 1992. His research encompasses investigations in microfabrication, microstructures modeling and analysis, microfluidics for bio-medical applications. He has published during his career at Concordia over 300 papers in scientific journals and conference publications. He did supervise and co-supervise 27 PhD students and over 40 MSc students. He is a fellow of the Canadian Society of Mechanical Engineering and fellow of the American Society of Mechanical Engineers.

Besides the campus research activities, Dr. Stiharu's activities help promoting micro and nano technologies. Thus, he did participate in NATO-RTO technical group on microsystems for aerospace applications. As part of CRIAQ initiative, he and his research team developed technologies to create SiCN based materials – conductors and insulators to be used within the gas turbine engines.

His work extended over bio-medical applications developed for cell manipulation and analysis.