

Biographies

Prof. dr hab. Halina Abramczyk

Halina Abramczyk is a full professor of Chemistry at the Lodz University of Technology in Lodz, Poland. She received her Master of Science degree in physics from the University of Lodz and Ph.D. degree in physical chemistry in 1982 from the Lodz University of Technology. After spending a postdoctoral period at the University of Bielefeld, Germany, she completed her habilitation in molecular and laser spectroscopy at the Lodz University of Technology. Since 1989 Halina Abramczyk has been a director of the Laboratory of Laser Molecular Spectroscopy (LLMS) of the Lodz University of Technology. In the period 2007–2009 she held a joint appointment with the Max-Born Institute, Berlin, where she headed the Marie Curie Chair. Her research interests are focused on: molecular spectroscopy, photochemistry and laser spectroscopy with special emphasis on mechanisms of chemical and physical processes occurring in picosecond and femtosecond time scale and applications of Raman spectroscopy and imaging in cancer diagnostics. She has published around 250 scientific papers and conference contributions, has supervised around 40 Ph.D. and M.Sc. theses on molecular spectroscopy, medical diagnostics of cancer, fiber optical transmission, and laser-oriented chemical dynamics. Her work led to a series of substantial grants in the United States, Poland, and Europe. She was a coordinator of the Polish-American Joint project between the Polish Ministry of Education and National Science Foundation. She has received the Fulbright (United States), DAAD (Germany), International Federation of University Women (Spain), and Zentrum fur Interdisziplinare Forschung (Germany) awards. In 2007 she received the prestigious award from the EU Marie Curie Excellence Chair. She has been a member of the editorial board of the *Journal of Molecular Liquids* since 1994 and a member of the International Executive Committee of the European Molecular Liquid Group (1991-2015), as well as a member of many scientific organizing committees (15), an editor of conference proceedings (3), and an organizer of conferences, schools, and workshops (7). She serves as a reviewer for many journals. She has been invited to deliver plenary, keynote, and invited lectures at international conferences and universities (around 50).

Dr hab. Beata Brożek-Pluska



Beata Brozek-Pluska is an assistant professor in Institute of Applied Radiation Chemistry at the Lodz University of Technology in Lodz, Poland. She received the Master of Science degree in physical chemistry in 1998, Ph.D degree in chemistry in 2002 and habilitation in 2014 from the Lodz University of Technology. After spending a postdoctoral period in Laboratoire d'Optique Appliquee, Ecole Polytechnique - ENSTA, France she is working in Laboratory of Laser Molecular Spectroscopy at the Lodz University of Technology, Poland. Her research interests are focused on: molecular spectroscopy, photochemistry and laser spectroscopy with special emphasis on mechanisms of chemical and physical processes occurring in picosecond and femtosecond time scale and applications of Raman spectroscopy and imaging in cancer diagnostics.

M.Sc. Monika Kopec



Monika Kopec is Ph.D student in the Institute of Applied Radiation Chemistry, Laboratory of Laser Molecular Spectroscopy at the Lodz University of Technology in Lodz, Poland. She received her Master of Science degree in medical chemistry in 2013 from Lodz University of Technology and Master of Science degree in logistics in 2014 from University of Lodz. She graduated forensic biology at the University of Lodz, Poland in 2016. Her research interests are focused on molecular spectroscopy, and applications of Raman spectroscopy and imaging in cancer diagnostics.