

Prof. Karol Musiol
Rector of the Jagiellonian University

He was born on 30 September 1944 in Bytom. He graduated from secondary school in Radzionkow in 1962. He studied physics at the Faculty of Mathematics, Physics and Chemistry of the Jagiellonian University. He obtained his MA degree in 1968. He was awarded the degree of PhD in Physical Sciences in 1975. He was granted the title of *doctor habilitatus* in 1987. The title of professor was awarded to him in 1997.

He works as a professor at the Department of Photonics of the Institute of Physics JU. He manages the Atomic and Plasma Spectroscopy Group. He started his work at the Institute of Physics with the building and organisation of a research laboratory.

He is an experimental physicist. During his initial period of work, he dealt with the application of holography for arc plasma diagnostics and measurements of electrons transition probabilities. Currently, he is investigating the properties of atoms and ions and diagnostics of plasma using lasers and non-linear optics methods, mainly four waves mixing.

He has supervised several MA and six PhD dissertations. He has headed the physical Laboratory II for third-year students of physics.

Since 1977, he has collaborated with the University of Orleans, where he stayed many times for longer or shorter visits. Within the cooperation, research is conducted on physical phenomena occurring in plasma sources applied in science and technology. Since the 1980s, he has also collaborated with the National Institute of Standards and Technology in Washington, where he stayed for a total of almost two years, dealing with the application of induced laser fluorescence to RF plasma research and the measurements of electrons transition probabilities. He also worked (1985/86) at the Hahn-Meitner Institute in Berlin. He is a member of the Polish-French Committee for Plasma Research and a member of the Polish Society of Physics. In October 2002, he was awarded the title of honorary doctor of the University of Orleans.

He acted as scientific secretary of the Institute of Physics JU; in the years 1990 - 1993 he held the function of Vice Dean of the Faculty of Mathematics and Physics; in 1999, he was elected Dean of the Faculty of Mathematics, Physics and Computer Science JU, holding the function until 2002. Between 2002 and 2005, he held the office of Vice Rector JU for Development. In 2005, he was elected Rector of JU, Chair of the Krakow Collegium of University Rectors and Deputy Chair of the Conference of Rectors of Academic Schools in Poland. In 2008 he was re-elected Rector of JU.