

# Analytic and Algebraic Geometry 2

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## KRZYSZTOF KURDYKA SCIENTIFIC BIOGRAPHY

Professor Krzysztof Kurdyka was born in Kraków on February 28, 1957. He received his MSc in 1981 and PhD degree in mathematics at the Jagiellonian University in Kraków in 1984. His PhD thesis written under the supervision of Professor Stanisław Łojasiewicz was entitled „The regular points of the subanalytic sets”. Between 1984 and 1986 he worked as an assistant in the Department of Real Functions at the Institute of Mathematics of the Jagiellonian University. In 1986/87 he was a postdoc at the Fourier Institute in Grenoble. Then he worked at the University Rennes I, the Jagiellonian University and the University of Savoie. In 1994 he was appointed as a Professor at the University of Savoie and in 2007 he received the Professor degree of the highest rank in France (*classe exceptionnelle*). Between 2001 and 2005 he was a Director of the Institute (Laboratory) of Mathematics of the University of Savoie, which obtained at that time the status of CNRS unit (the National Centre for Scientific Research).

Professor Krzysztof Kurdyka is a valued and appreciated specialist in analytic and algebraic geometry, singularity theory and theory of o-minimal structures. He cooperates with many leading scientific centers worldwide and is an author of more than sixty scientific papers, considerably contributing to the development of real and complex analytic and algebraic geometry. Among his many important contributions to these branches of mathematics are a proof of the René Thom’s gradient conjecture, research on subanalytic stratifications and on the concept of arc analytic functions arc-symmetric sets which he introduced to the real geometry. An inequality discovered by Professor Kurdyka, thence called the Kurdyka-Łojasiewicz inequality, found a great resonance in numerous scientific studies, namely in optimization problems.

Since 2008 Professor Krzysztof Kurdyka has been an active participant in Analytic and Algebraic Geometry Conferences organized by the Faculty of Mathematics and Computer Science of the University of Łódź and in 2015 he was awarded

a Universitatis Lodzianis Amico Medal. During the International Congress of Mathematicians 2018 in Rio de Janeiro he will give an invited talk, jointly with Professor Wojciech Kucharz from the Jagiellonian University. Actually, some results on continuous rational functions, which they will present were obtained during the conferences in Łódź.

PREPARED BY EDITORS