

zbMATH in Focus

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Pressemitteilung von: *FIZ Karlsruhe*

FIZ Karlsruhe – Leibniz Institute for Information Infrastructure at the 6th European Congress of Mathematics in Kraków / Otto Neugebauer Prize awarded for the first time

Karlsruhe, July 2012 — FIZ Karlsruhe – Leibniz Institute for Information Infrastructure will be present in various respects at the 6th European Congress on Mathematics, held in Kraków from July 2-7. On the one hand, Mr. Olaf Teschke, head of FIZ Karlsruhe's mathematics and computer science department, will hold a lecture on how the European Digital Mathematics Library (EuDML) and the Zentralblatt MATH database (zbMATH) complement and enhance each other. On the other hand, FIZ Karlsruhe will provide information on zbMATH at its booth. At this event, the Otto Neugebauer Prize will be awarded for the first time. It is named after the founder of the journal "Zentralblatt für Mathematik", which is the precursor of zbMATH.

zbMATH is the world's largest database for publications in the fields of pure and applied mathematics. At present, it contains more than three million references to international mathematical publications from almost two centuries. Its features meet the highest standards. This makes zbMATH an indispensable tool for mathematicians at academic institutions and for everyone else dealing with mathematics at a professional level. FIZ Karlsruhe, the Heidelberg Academy of Sciences and Humanities, and the European Mathematical Society are the joint editors of zbMATH. The printed version of zbMATH is published by Springer Verlag.

The Otto Neugebauer Prize is endowed by Springer Verlag and awarded for research in the field of history of mathematics. The Austrian-American mathematician Otto Neugebauer (1899-1990) conducted groundbreaking studies on Babylonian, Egyptian, Indian, and Greek mathematics. In 1931, he founded the "Zentralblatt für Mathematik".

Gert-Martin Greuel, editor-in-chief of zbMATH and one of the speakers at the Kraków event, sees Neugebauer's pioneering work continued: "Neugebauer's basic idea was to make mathematical findings from past eras to the latest results accessible and publicly available. The comprehensive content of zbMATH follows this principle in the 21st century." Modern services such as the European Digital Mathematics Library established within the scope of the EU-sponsored EuDML project contribute to this objective: Together with 14 other European project partners, FIZ Karlsruhe develops the world's largest digital library with more than 200,000 open access publications in mathematics.

The 6th European Congress of Mathematics is jointly organized by the European Mathematical Society (EMS), the Polish Mathematical Society, and the Jagiellonian University of Kraków. This event, which takes place every four years at different locations, is the most important conference in mathematics apart from the "International Congress of Mathematicians". The prizes awarded besides the Otto Neugebauer Prize include the EMS prizes, awarded to the ten best young researchers, and the Felix Klein Prize for the best solution to a problem from applied mathematics.

More information on the prize winners, lectures, and research profiles is available at: <http://www.zentralblatt-math.org/static/zbl-for-krakow.pdf>

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Portrait

FIZ Karlsruhe – Leibniz Institute for Information Infrastructure (www.fiz-karlsruhe.de) is a not-for-profit organization with the public mission to make sci-tech information from all over the world publicly available and to provide related services in order to support the national and international transfer of knowledge and the promotion of innovation.

Our business areas are:

- STN International – the world's leading online service for research and patent information in science and technology
- KnowEsis – innovative e-Science solutions to support the process of research in all its stages, and throughout all scientific disciplines
- Databases and Information Services – Databases and science portals in mathematics, computer science, crystallography, chemistry, and energy technology

FIZ Karlsruhe is a member of the Leibniz Association (WGL) which consists of 86 German research and infrastructure institutions.

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