

Pressemitteilung**Rheinische Friedrich-Wilhelms-Universität Bonn****Johannes Seiler**

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Mathematik
überregional**Double honor for Peter Scholze**

A double honor for an exceptional mathematical talent: The renowned German National Academy of Sciences Leopoldina has elected Peter Scholze, professor at the Cluster of Excellence Hausdorff Center for Mathematics at the University of Bonn, to become a member. Moreover, the Bonn-based exceptional mathematician also became a member of the Berlin-Brandenburg Academy of Sciences and Humanities.

At just 29 years of age, Peter Scholze is among the world's most groundbreaking mathematicians and constantly proceeds from one success to the next. Both of the recent honors join a plethora of awards and accolades over recent years and months that recognize the outstanding academic achievements and groundbreaking contributions of Professor Scholze.

The mathematician, who works in Bonn, is one of the world's leading researchers at the interface between arithmetic algebraic geometry and the theory of automorphic forms. At this interface, fascinating interconnections occur between seemingly completely different mathematical fields such as number theory, algebra, geometry, topology and analysis. Peter Scholze has fundamentally expanded the spectrum of methods in this interface area through "perfectoid spaces", which he has already introduced in his Ph.D. thesis, and which allow for essential generalizations. This has enabled him to solve several important open problems.

Founded in 1652, the Leopoldina is one of the oldest academies of science in the world. With some 1,500 members, the Leopoldina brings together outstanding scientists from Germany, Austria, Switzerland and many other countries. The Leopoldina was appointed as the German National Academy of Sciences in 2008. In this capacity, it represents the German scientific community in international committees and speaks out on social and political questions, providing a nonpartisan, factual framework for discussion.

The Berlin-Brandenburg Academy of Sciences and Humanities is a learned society with a three-hundred-year-old tradition of uniting outstanding scholars and scientists across national and disciplinary boundaries. As the largest non-university research institute for the humanities in the Berlin-Brandenburg region, it preserves and reveals the region's cultural inheritance, while also pursuing research and offering advice on issues that are crucial for the future of society and providing a forum for dialogue between scholarship and public.

Peter Scholze, born in Dresden in 1987, gained his first mathematical education at the Heinrich-Hertz-Gymnasium Berlin and demonstrated his exceptional mathematical talent at an early age at the International Mathematical Olympiad, winning three gold medals and one silver medal. After finishing high school, he completed his mathematical studies in Bonn and earned his doctorate in 2012. In the same year, he was appointed to one of the renowned Hausdorff Chairs at the Bonn Cluster of Excellence Hausdorff Center for Mathematics, where he has been working ever since. He was the first German to receive the Clay Fellowship from the Clay Foundation in 2011, the Prix Peccot of the Collège de France in 2013, the Clay Research Award in 2014 and the Cole Prize for Algebra from the American Mathematical Society in 2015. Besides many other academic awards, in 2016 he was awarded the Leibniz Prize from the German Research Foundation and the Academy Award from the Berlin-Brandenburg Academy of Sciences and Humanities which he has now joined.

Recently, Peter Scholze has been invited for a plenary lecture at the renowned International Congress of Mathematicians (ICM) 2018 in Rio de Janeiro which meets every four years.

The Hausdorff Center for Mathematics (HCM) is a Cluster of Excellence at the University of Bonn. At HCM, German and international academics conduct research into many problems in mathematics and mathematical economics. When promoting the next generation of researchers, HCM relies on the highest international standards and actively supports the early independence of young mathematicians providing scholarships. The Cluster was founded in 2006 and extended by a second funding period in 2012.

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Prof. Dr. Peter Scholze from the Hausdorff Center for Mathematics at the University of Bonn.
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