

Title **A challenge to a new paradigm by math-mate collaboration at AIMR**

Speaker **Prof. Motoko Kotani**
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Date & Time **Wednesday, November 16, 2016 4:00 p.m.**
Place **I²CNER Hall, Ito campus, Kyushu University**

Abstract

Our world is now transforming into an interacting system of the physical world and the digital world. What will be the materials science in the new era. With the rising expectations of the rapid development of computers, information science and mathematical science including statistics and probability theory, “data-driven materials designs” are now heard everywhere. An important aspect is how we establish vocabulary and grammar in the digital world that translates knowledge and experience gained in the physical world in the form of know-how and recipes for the creation of materials. In the talk, I would like to share emerging results at AIMR with you to discuss the future of materials research.

About the Speaker

1990 : Tokyo Metropolitan University D.Sci. Mathematics
 1990-1997: Lecturer, Department of Mathematics. Faculty of Science, Toho University
 1993-1994: Visiting Researcher, Max-Planck Society for the Advancement of Science
 1997-1999: Associate Professor, Department of Mathematics. Faculty of Science, Toho University
 1999-2003: Associate Professor, Mathematics Institute, Graduate School of Science, Tohoku University
 2001.4-2001.11: Visiting Professor, Institute of Advanced Scientific Studies (IHES)
 2004-present: Professor, Mathematics Institute, Graduate School of Science, Tohoku University
 2008-2014: Distinguished Professor, Mathematics Institute, Graduate School of Science, Tohoku University
 2011-2012: Deputy Director, Professor, WPI-AIMR, Tohoku University
 2012-present: Director, WPI-AIMR, Tohoku University
 2014-present: Member, Board of Governors, Okinawa Institute of Science and Technology

Host: Professor Atsushi Takahara

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