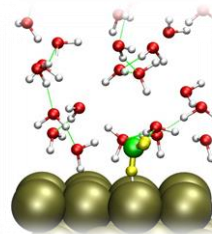


1st Core Creation of Frontier Mathematical Methods

Yoshitada MORIKAWA (Chair of the 1st Core)

Professor, Department of Precision Science & Technology,
Graduate School of Engineering

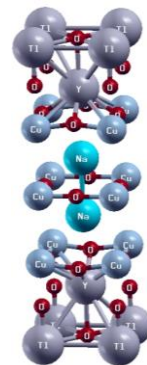
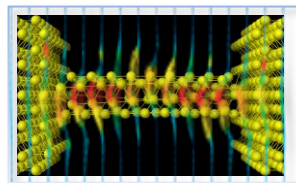
Physics, Quantum Simulation, Surfaces & Interfaces, Heterogeneous Catalysis,
Electrochemistry, Organic Devices



Satoshi HAMAGUCHI

Professor, Center for Atomic and Molecular Technologies,
Graduate School of Engineering

Plasma Physics and Technologies, Computational Plasma Physics,
Plasma Processing for Semiconductor Devices and Biomaterials,
Plasma and Beam Experiments, Atomic-scale Simulation



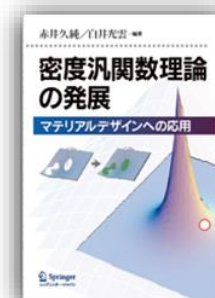
Koichi KUSAKABE

Associate Professor, Department of Materials Engineering Science,
Graduate School of Engineering Science

Theory of interacting electrons, Magnetism,
Rigorous theory of correlated electron systems

Koun SHIRAI

Associate Professor, The Institute of Scientific and Industrial Research
Condensed Matter Physics (Theory), Material Design, Dynamical Properties



Kazunori SATO

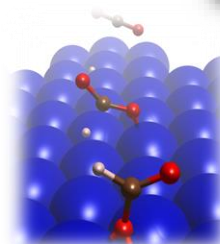
Associate Professor, Department of Materials and Manufacturing Science,
Graduate School of Engineering

Theoretical Solid State Physics, First-Principles Calculation,
Computational Materials Design

Ikutaro HAMADA

Associate Professor, Department of Precision Science & Technology,
Graduate School of Engineering

Condensed matter physics, electronic structure theory,
Many body perturbation theory,
Surface science, Electrochemistry



Hisazumi AKAI

Professor, The Institute for Solid State Physics (The University of Tokyo)

Development of First Principles Methods,
First Principles Electronic Structure Calculations, Magnetism, Transport Properties,
Disordered Systems, Metals and Alloys, Semiconductors

Daisuke MATSUNAKA

Associate Professor, Department of Mechanical Engineering,
Graduate School of Engineering (Shinshu University)

Computational Materials Science, Solid Mechanics, Condensed Matter Theory,
First-principles Calculations of Interface, Multiscale Modeling of Surface Dynamics and Growth

