

2013 JSAP-MRS Joint Symposia



Dates: September 16-20, 2013

Venue: Kyotanabe Campus, Doshisha University, Kyoto

Meeting Chairs: Hiroshi Ishiwara, Takao Someya, Osamu Ueda, David Ginley

Important Dates

Call for Papers: Mid-December, 2012

Abstract Submission Deadline: March 31, 2013

The Japan Society of Applied Physics (JSAP) and the Materials Research Society (MRS) are excited to hold joint symposia as part of the 2013 JSAP Autumn Meeting, which will be held in Kyoto, Japan on September 16-20, 2013. This is the second recent collaborative effort between the two societies.

The 2013 JSAP Autumn Meeting in Kyoto will offer a wide range of research topics to materials researchers in the field of both basics and applications, and 23 JSAP-MRS joint symposia (see reverse for details) will be held during the meeting. Kavli Distinguished Lectureship will be also planned. It is hoped that the JSAP-MRS Joint Symposia will attract a large international attendance.

For more details and submission of abstracts, see our website.

<http://www.jsap.or.jp/english/index.html>



Technical Sessions

◆ Nano Technologies (Hiroshi Ishiwara)

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| A: | Synthesis and Magnetic Properties of Oxide Nanocomposites and Heterostructures |
| B: | Nanoscale Materials Modification by Photon, Ion and Electron Beams II |
| C: | Advanced Nano Carbon Devices and Materials |
| D: | Advances in Ferroelectric and Multiferroic Materials by Nanostructure Engineering |
| E: | Functional Oxide Thin Films and Heterostructures for Innovative Devices |
| F: | Nanoscale 3D Tomography, Time-resolved Imaging and Dynamic Characterization of Nanostructured Materials and Devices |
| G: | Exploring the Science of Exposed and Buried Interfaces with Advanced X-ray Techniques |

◆ Electronics (Osamu Ueda)

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| H: | Smart Materials Design for Ultimate Functional Materials: Functional Core Concept |
| I: | Rare Earth Doped Advanced Materials for Photonic Applications |
| J: | Nitride Semiconductors -Bulk and Related Growth and Characterization- |
| K: | Fundamentals and Applications of Cat-CVD (Hot-Wire CVD) and Related Technologies |
| L: | High-Performance Computing and Electronic Structure Calculations in Materials Research |
| M: | Diamond Technology: New Developments in Electronic, Photonic and Quantum Devices |

◆ Biomaterials (Takao Someya)

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| N: | Nanodiamond-From Basics to Medical and Other Potential Applications- |
| O: | Plasma Processing and Diagnostics for Life Sciences |
| P: | Biological and Bioconjugated Materials for Electronic Devices |
| Q: | Hierarchically Ordered Materials from Molecules, Nanoparticles and Hybrids |

◆ Energy and Environment (David Ginley)

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| R: | Photocatalysis |
| S: | Photovoltaic Materials and Devices: Terrestrial and Space Applications |
| T: | Ternary and Multinary Cu-chalcogenide Photovoltaic Materials-CIS, CZTS and Other Compounds- |
| U: | Transparent Contacts for Electronics and Renewable Energy Technologies |
| V: | Interface Phenomena in Organic Electronics |
| W: | Next Generation Photoconversion Materials and Devices |

PUBLISHING NOTE:

All authors at the 2013 JSAP-MRS Joint Symposia are invited to submit their papers to the JSAP Japanese Journal of Applied Physics (JJAP) or the MRS Communications.