

JAPAN-MOROCCO HANDAI PROJECT ON FUNCTIONAL NANOPHOTONICS KICK-OFF WORKSHOP

PROGRAM

Wednesday, February 25, 2015

9:30~10:30 Opening Ceremony

Chair: Zouheir SEKKAT (MASCIR / University Mohammed V)

Rachid BENMOKHTAR Benabdellah
(Vice President of MASCIR / Minister of Education)
Tsuneo KUROKAWA
(Ambassador Extraordinary and Plenipotentiary, Japanese Embassy)
Saaid AMZAZI (President of University Mohammed V)
Hicham BOUZEKRI (General Director of MASCIR)
Satoshi KAWATA (Director of Photonics Center,
Osaka University, Osaka, Japan)
Zouheir SEKKAT (Director of Optics and Photonics Center,
MASCIR / University Mohammed V)

10:30~11:00 Coffee Break

11:00~12:00 Plenary Talks

Chair: Eiichi TAMIYA (Osaka University, Osaka, Japan)

11:00~11:30 Satoshi KAWATA (Osaka University, Osaka, Japan)
“*Plasmonics: A New Functional Nanophotonics*”

11:30~12:00 Zouheir SEKKAT (MASCIR /
University Mohammed V, Rabat, Morocco)
“*Photonic Research in Rabat*”

12:00~14:00 Lunch Break

14:00~15:40 Invited Talks

Chair: Prabhat VERMA (Osaka University, Osaka, Japan)

14:00~14:20 Eiichi TAMIYA (Osaka University, Osaka, Japan)
“*Nanomaterials and MEMS Based Biosensors for Medical Applications*”

14:20~14:40 Yasushi INOUE (Osaka University, Osaka, Japan)
“*Nano-Investigation of DNA Conformation Change by Using Gold Nano-Dimers*”

14:40~15:00 Dmitry V. NESTERENKO (MASCIR, Rabat, Morocco)
“*Propagating Mode Sensors and Their Sensitivity*”

15:00~15:20 Katsumasa FUJITA (Osaka University, Osaka, Japan)
“*Super-Resolution Fluorescence Microscopy Using Optical Saturation*”

15:20~15:40 Hidekazu ISHITOBI (Osaka University, Osaka, Japan)
“*Light-Induced Polymer Movement and Its Application to Nano-Imaging*”

15:40~16:00 Coffee Break

16:00~17:20 Invited Talks

Chair: Yasushi INOUE (Osaka University, Osaka, Japan)

16:00~16:20 Prabhat VERMA (Osaka University, Osaka, Japan)
“*Optical Antennas for Tip-Enhanced Raman Scattering*”

16:20~16:40 Shinji HAYASHI (MASCIR, Rabat, Morocco)
“*Coupling for Sensing*”

16:40~17:00 Safae AAZOU (MASCIR, Rabat, Morocco)
“*Performance Comparison of Organic Bulk Heterojunction Solar Cells Based on P3HT and Anthracene-Containing PPE-PPV*”

17:00~17:20 Hiroyuki YOSHIDA (Osaka University, Osaka, Japan)
“*Exotic Liquid Crystals for Photonics*”

17:30~18:30 Laboratory Tour in MASCIR

19:30~ Banquet Dinner

Thursday, February 26, 2015

9:30~11:00 Talks of Students

Chair: Shinji HAYASHI (MAScIR, Rabat, Morocco)

- 9:30~ 9:45 Daiki MITA (Osaka University, Osaka, Japan)
“Single-Cell Imaging of Activated Neutrophils by Raman Spectroscopy”
- 9:45~10:00 Takuma HORII (Osaka University, Osaka, Japan)
“ECL Imaging of Neutrophils Using Multi-Microwell Array Electrode”
- 10:00~10:15 Tarik AJJAMMOURI (MAScIR / University Mohammed V, Rabat, Morocco)
“Chemical Synthesis of Cu_2ZnSnS_4 (CZTS) Nanocrystals for Solar Cell Applications”
- 10:15~10:30 Zakaria LAGHFOUR (MAScIR / University Mohammed V, Rabat, Morocco)
“Development of Low Cost Solar Cells Based on Thin Films of Silicon”
- 10:30~10:45 Bikas RANJAN (Osaka University, Osaka, Japan)
“Nanoplasmonic Enhanced Raman and Hyper Raman Spectroscopies”
- 10:45~11:00 Imad MAOULI (Osaka University, Osaka, Japan)
“Tunable Plasmonic Probes for TERS Imaging in the Visible Region”

11:00~11:30 Coffee Break

11:30~12:30 Talks of Students

Chair: Dmitry V. NESTERENKO (MAScIR, Rabat, Morocco)

- 11:30~11:45 Siham REFKI (MAScIR / University Mohammed V, Rabat, Morocco)
“Metal-Insulator-Metal Plasmonic Sensor: Estimation of Sensitivity”
- 11:45~12:00 Kozue WATANABE (Osaka University, Osaka, Japan)
“Resolution Improvement of Raman Microscopy by Structured Line Illumination”
- 12:00~12:15 Kentaro MOCHIZUKI (Osaka University, Osaka, Japan)
“Fluorescent Probe Providing Nonlinear Response through Photoinduced Charge Separation”
- 12:15~12:30 Jyunji KOBASHI (Osaka University, Osaka, Japan)
“A Polarization Rotator Utilizing Deformation-Free Polymer-Stabilized Cholesteric Liquid Crystal”

12:30~14:00 Lunch Break