
Session Title:	General and Tutorial Lectures on New Materials and Advanced Technologies IV
Date & Time:	November 2, 2016 (Wed) / 10:15~12:00
Room:	A (Room 101)

Session Chair: Olivier Siri (Aix Marseille University, France)

2A1-1

10:15~10:40

[Invited] Tuning the Ground-State Absorption and Triplet Excited-State Absorption and Lifetime via Ligand π -Conjugation: Exploration of Cationic Ir(III) Complexes as Broadband Reverse Saturable Absorbers

Wenfang Sun^{1,2}, Bingqing Liu¹, Chengzhe Wang¹, Xiaolin Zhu¹, L. Lystrom¹, and S. Kilina¹

¹North Dakota State University, USA, ²Tianjin University of Technology, China

2A1-2

10:40~11:05

[Invited] Efficient Light-Induced Spatial Phase Modulation in Dye-Doped DNA Biopolymers

Adrian Petris¹, Petronela Gheorghe¹, Valentin I. Vlad¹, Ileana Rau², Ana-Maria Manea², and Francois Kajzar²

¹National Institute for Laser, Romania, ²University POLITEHNICA of Bucharest, Romania

Session Chair: Ryszard M. Kozlowski (Institute of Natural Fibres and Medicinal Plants, Poland)

2A1-3

11:05~11:30

[Invited] Fluorescence Enhancement of Hemicyanines Bound to DNA and Their Application to Dye Laser

Yutaka Kawabe

Chitose Institute of Science and Technology, Japan

2A1-4

11:30~11:55

[Invited] Electrospun Piezoelectric Nanofibers: New Evidences of Enhanced Properties for Applications in Energy Harvesting and Sensing

Luana Persano¹, A. Catellani², C. Dagdeviren³, Y. Ma^{4,5}, X. Guo^{4,6}, C. Maruccio⁷, L. De Lorenzis⁸, Y. Huang⁴, A. Calzolari², and D. Pisignano^{1,8}

¹CNR-Istituto Nanoscienze, Italy, ²CNR-Istituto Nanoscienze, Italy, ³MIT, USA, ⁴Northwestern University, USA, ⁵Tsinghua University, China, ⁶Harbin Engineering University, China, ⁷Università del Salento, Italy, ⁸TU-Braunschweig, Germany