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Session Title: General and Tutorial Lectures on New Materials and Advanced Technologies I  
Date & Time: **November 1, 2016 (Tue) / 10:30~12:00**  
Room: **A (Room 101)**

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*Session Chair: Mieczyslaw Lapkowski (Silesian University of Technology, Poland)*

1A1-1

10:30~11:00

[Keynote] Electronic and Nuclear Optical Nonlinearities in Organic Materials and Solvents

**David J. Hagan and Eric W. Van Stryland**  
**University of Central Florida, USA**

1A1-2

11:00~11:25

[Invited] Metal-Catalyzed Bond-Forming Reactions of Triolborate Salts

**Yasunori Yamamoto**  
**Hokkaido University, Japan**

1A1-3

11:25~11:55

[Keynote] Nature-Based Materials for Electrochemical Devices and Agriculture

**Agnieszka Pawlicka<sup>1,6</sup>, Maria M. Silva<sup>2</sup>, Mieczyslaw Lapkowski<sup>3</sup>, Francois Kajzar<sup>4,5</sup>, and Jerzy Kanicki<sup>6</sup>**

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