8th International Conference on

Smart Materials and Structures

August 01-02, 2019

Dublin, Ireland

EuroSciCon

Smart Materials Congress 2019

Agenda Day 1: August 01, 2019

Executive BoardRoom

08:45-09:15 **Registrations**

09:15-09:30 Opening Ceremony & Introduction

Keynote Forum

09:30-10:10

Title: Photoluminescence- and electric- properties using a smart material of Li-(Nb,Ta)-Ti-O system

Hiromi Nakano, Toyohashi University of Technology, Japan

10:10-10:50

Title: Development of smart materials and structures should anticipate evolution of structural systems and construction methods

Armin Mehrabi, Florida International University, USA

Group Photo @ 10:50-10:55

Networking and Refreshments 10:55-11:15 @ Foyer

Session Introduction

Sessions: Insight into Smart Materials and Technology | Headway of Smart Structures | Smart Control Systems in Industrial Applications | Advances in Material Science & Engineering | Architecture & Civil Engineering | Nanomaterials | Biomaterials | Physics & Chemistry of Smart Materials | Optical & Electronic Smart Materials | Artificial Intelligence-Automation Revolution

Session Chair: Armin Mehrabi, Florida International University, USA

Session Co-Chair: Mineo Hiramatsu, Meijo University, Japan

11:15-11:45

Title: 3D graphene network, synthesis, functionalization and applications

Mineo Hiramatsu, Meijo University, Japan

11:45-12:15

Title: Machine learning techniques to predict the characteristics of zeolite

Aiman Darwiche, Nova Southeastern University, USA

12:15-12:45

Title: Influence of chemical and electrochemical surface treatment of ECAP titanium on resulting corrosion properties and wettability

Katerina Dedkova, VSB Technical University of Ostrava, Czech Republic

Lunch Break 12:45-13:30 @ Restaurant

13:30-14:00

Title: Microstructure simulator to predict grain formation during thermo-mechanical processing of long products

Ahmad Fakih, Friedrich Kocks GmbH & Co KG, Germany

14:00-14:30	**Title: Results of using laser triangulation for measuring surface defects in long products** **Matthias Schuck,** Friedrich Kocks GmbH & Co KG, Germany
14:30-15:00	**Title: Self-Healing in rapidly solidified aluminium alloys** **Alena Michalcová,** University of Chemistry and Technology, Czech Republic
15:00-15:30	**Title: A DFT investigation on multiferroism and magnetic coupling in $NiBO_3$ materials** **Sergio Ricardo de Lazaro,** State University of Ponta Grossa, Brazil

Networking and Refreshments: 15:30-15:50 @ Foyer

Poster Presentations 15:50-16:50 @ Executive BoardRoom

Awards & Panel Discussion

Day 2: August 02, 2019

Extended Networking and Lunch 12:30-13:30 @ Restaurant

Closing Ceremony

Mark your Calendar

9th International Conference on

Smart Materials and Structures

July 20-21, 2020 | Barcelona, Spain

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