

Session Program

17-22 Jun 2018



15th European Vacuum Conference (EVC-15)

Poster Session Wednesday

Wednesday 20 June

16:50

Poster Session Wednesday

Poster Session | **Location:** CICG, Main Lobby

High performance organic single-crystal nanowire electronics via modulate the intermolecular center-to-center distance

Speaker

YoonKyoung Park

Controlled electronic properties of graphene via atomic layer deposition

Speaker

Lynn Lee

In-situ TEM investigation of amorphous Cu-Mn/C films for interconnect application

Speaker

Mrs Klára Hajagos-Nagy

Field emission induced lower switching power of TiO₂ memristor using CNT-array as bottom electrode

Speaker

Prof. Alireza Moshfegh

NEG coatings on small diameter vacuum chambers for Hefei Advanced Light Source

Speaker

Sihui Wang

Low-temperature atmospheric microwave plasma using two-parallel-wires transmission line resonator

Speaker

Dr JUN CHOI

Functionalization of organosilicate thin films by catalytic reaction using Microwave-excited Plasma

Speaker

Dr Suhan Kim

Solution immersed silicon (SIS)-based biosensors for the direct monitoring of small-molecular-weight analytes

Speaker

Dr Hyun Mo Cho

Clarification of the relationship between electrical properties and the columnar structure of sputtered Al-doped zinc oxide films

Speaker

Petr Novák

Measuring uncertainty for various types of dual-rotating-compensator spectroscopic ellipsometers

Speaker

Dr Yong Jai Cho

Development of highly repeatable and recoverable phototransistors based on multi-functional oxide channels**Speaker**

Dr Cheol Hyoun Ahn

Effects of substrate materials on boron and gallium co-doped ZnO films by RF magnetron sputtering**Speaker**

Ke Tang

Properties of CdZnTe films deposited on polyimide substrates by close-spaced sublimation**Speaker**

Dr Jian Huang

Synthesis of ZnFe₂O₄/BiOBr nanocomposites immobilized on Palygorskite with enhanced photocatalytic activity under solar light irradiation**Speaker**

Prof. Lili Zhang

Solid Solution Hardening of Reactively Sputtered Nanolaminate ZrN-TiN Coatings**Speaker**

Jolanta Sapięha

Room temperature magnetron sputtering of InGaZnO and ZTO amorphous oxide semiconductors**Speaker**

Lucie Prusakova

Self-supporting Porous Pt-Ag Aerogel as Highly Bifunctional Active Electrocatalysts for Oxygen reduction and Methanol oxidation**Speaker**

Prof. Juan Yang

The Bamboo Leaf-like NiCo₂O₄ nanobelts with Surface Pore Defects Supported on rGO as Advanced Anode Material for Lithium Ion Batteries**Speaker**

Prof. Yongsheng Fu

Ultrathin molybdenum disulfide/carbon nitride nanosheets with abundant active sites for enhanced hydrogen evolution**Speaker**

Prof. Junwu Zhu

Cobaltosic oxide nanocrystals with exposed low-surface-energy planes anchored on chemically integrated graphitic carbon nitride-modified nitrogen-doped graphene: a high-performance anode material for lithium-ion batteries**Speaker**

Prof. Xin Wang

Monte Carlo study on magnetic properties in ferrimagnetic Ising thin films

Speaker

Prof. Rachid Masrour

Improving plasma uniformity using superimposed multi-frequency of an inductively-coupled plasma source**Speaker**

Mr Younghun Choi

Effect of Methane Addition and Process Temperature on the Hardened Case Properties by Plasma Nitrocarburizing on DIN 100Cr6 Steel**Speaker**

Prof. Pedro Nascente

Nanotopographic microdomains on Ti alloys by sequential ion beam irradiation and wet etching**Speaker**

Dr Miguel Manso Silvan

The Nothing On Insulator Nanotransistor with Diamond Lateral Islands for Electrons Emission in Vacuum**Speaker**

Mr Alexandru Topor

Highly Conductive, Stretchable, Flexible Transparent Electrodes on Bio-polymer Substrates for Stretchable Electronics**Speaker**

Mr Zeno Rizqi Ramadhan

Stretchable Transparent Electrodes Based on Silver Nanowires and Conductive Polymers for Stretchable Electronics**Speaker**

Ms Siti Aisyah Nurmaulia Entifar

Diamond-like carbon film with excellent tribomechanical properties deposited by PACVD**Speaker**

Mr Chao-Qian Guo

Characterization of Cu nanoparticles via X-ray photoelectron spectroscopy in combination with SESSA calculations**Speaker**

Dr Markus Sauer

Effect of oxidation time on ZnO nanostructures prepared from Zn films by electro-oxidation**Speaker**

Wooseong Jeon

LASE surfaces for the mitigation of the Electron cloud in positively charged accelerators**Speaker**

taaj sian

Compact getter pump with arc evaporator of Titanium

Speaker

Aigerim Bainazarova

Atomic layer deposition of titanium oxide using cyclopentadienyl-type titanium precursors**Speaker**

Prof. Won-Jun LEE

Amorphous Carbon Coatings for Vacuum Chambers of Particle Accelerators and Research on Secondary Electron Yield**Speaker**

Yong Wang

Growth of Ti-Zr-V non-evaporable getter films on ion-implanted substrate**Speaker**

Ling-Hui Wu

A novel growth method for ZnO nanorods by hydrothermal method applied rotating precursor solution**Speaker**

Mr Dongwan Kim

Calculation of activation temperature of TiZrV getter film**Speaker**

Dr Bo Zhang

A unique QLED-OLED hybrid structure for white electroluminescent devices**Speaker**

Ms So Eun Ju

Effects of Composition Ratios and Microstructure on Mechanical and Electrical Properties of AZO - Zincone Nanolaminates Using Atomic and Molecular Layer Depositions**Speaker**

Mr Seung Hak Song

XPS study of the front/back interfaces in Kesterite photovoltaic devices**Speaker**

Dr Lorenzo Calvo-Barrio

Formation and structure of TiN/ZrN multilayer coatings deposited on tool steel**Speaker**

Prof. Petar Petrov

Structure and properties of TiO₂/TiN deposited on EBM modified stainless steel**Speaker**

Mr Stefan Valkov

Epitaxial growth of CuInSe₂/InSe/Si heterostructures for photovoltaic applications**Speaker**

Prof. Bae-Heng Tseng

Effect of Growth Temperature on the Structure of CoCrFeNiCu High Entropy Alloy Films

Speaker

Prof. György Radnóczy

Stabilisation of tetragonal ZrO₂ by oxygen plasma treatment of sputtered ZrCu and ZrAl thin films**Speaker**

Dr Janez Kovac

Evaluation of Mechanical Properties of Transparent AZO(Aluminum-doped Zinc Oxide)-zincone Hybrid Multilayer Thin Films Grown on a Transparent Polyimide Substrate by Atomic and Molecular Layer Depositions**Speaker**

Mr Sungtae Hwang

Microwave-excited Microplasma Arrays in Atmospheric Air by Coplanar Waveguide Resonator**Speaker**

Dr JUN CHOI

Synthesis of 2D MoS₂ for flexible gas sensor at low temperature**Speaker**

Youngjun Kim

XPS study of the front/back interfaces in Kesterite photovoltaic devices**Speaker**

Lorenzo Calvo Barrio

18:40