

20th INTERNATIONAL
VACUUM
CONGRESS

IVC-20



IVC-20
ICSS-16
ICN+T 2016
VASSCAA-8
25th KVS
ITC 2016
ISPB 2016

AUGUST 21-26, 2016
BUSAN, KOREA

PROGRAM

IVC-20
20th International Vacuum Congress

ICSS-16
16th International Conference
on Solid Surfaces

ICN+T 2016
International Conference on
Nanoscience and Technology 2016

VASSCAA-8
8th Vacuum and Surface Sciences
Conference of Asia and Australia

25th KVS
25th Anniversary KVS Symposium

ITC 2016
Industrial Topical Conference 2016

ISPB 2016
International Symposium of Plasma
Biosciences 2016

Organized by



THE KOREAN
VACUUM SOCIETY

AUGUST 23 (TUESDAY)

■ ICN+T 2016 ■ VASSCAA-8 ■ 25th KVS ■ ITC 2016 ■ ISPB 2016

[EMP-P1-096](#)

Magnetic properties of $\text{YFe}_{0.7}\text{Mn}_{0.3}\text{O}_3$ investigated with Mossbauer spectroscopy
Jung Tae LIM (*Kookmin University, Korea*), Jung Chul SUR, Chul Sung KIM

[EMP-P1-097](#)

Interfacial electronic structure of CuPc/C60/potassium-doped MoO₃ for inverted organic photovoltaic application
Donghyun JI (*Yonsei University, Korea*), Jonghoon KIM, Yeong Ji IM, Bokyung RYU, Simhee RYU, Sunwoo AHN, Sang Wan CHO

[EMP-P1-098](#)

Fabrication of extremely thin free-standing organic electronic devices via dry peel-off process
Eun-Hye LEE (*Korea Institute of Science and Technology, Korea*), Sukjae JANG, Tae-Wook KIM

[EMP-P1-099](#)

Shape controlled copper nanowires for flexible electrode applications
Jin-Won LEE (*Korea Institute of Science and Technology, Korea*), Eun-Hye LEE, Tae-Wook KIM

[EMP-P1-100](#)

Asymmetry oxide / metal / oxide multilayer transparent conductive electrodes for ultra violet light emitting diodes
Byeong Ryong LEE (*Korea University, Korea*), Tae-ho LEE, Tae Hoon PARK, Kyung Rock SON, Shin-Hwan CHOI, Tae Geun KIM

[EMP-P1-101](#)

Color conversion mechanisms of transparent poly(methylmethacrylate) film containing silver nanowire and silica-coated quantum dot nanocomposites
Dong Chul CHOO (*Hanyang University, Korea*), Yu Ra KIM, Tae Whan KIM

[EMP-P1-102](#)

Optical characteristics of MSO/Ag/ MSO multi layer film on PET film
Sangmoo YOON, Guneik JANG (*Chungbuk National University, Korea*)

[EMP-P1-103](#)

Pulsed laser deposition of Al (Ga) doped ZnO films
Jaroslav BRUNCKO, Andrej VINCZE (*International Laser Centre, Slovakia*), Miroslav MICHALKA, Marie NETRVALOVA, Pavol SUTTA, Jaroslav KOVAC JR.

[EMP-P1-104](#)

Al doped zinc oxide thin film growth by CVD for transparent conductor application
Keon Woo YANG, Jung Sam JUNG, Sung-Ku KWON (*Kunsan National University, Korea*)

[EMP-P1-105](#)

Direct ablation of transparent AZO-Ag-AZO electrodes on glass substrate by optical fiber laser ablation
Minyu YIN (*Gachon University, Korea*), Sang Bo KIM, Sang Jik KWON, Eou-Sik CHO

[EMP-P1-106](#)

Low resistance transparent $\text{TiO}_x/\text{Ag}/\text{WO}_3$ multilayer films on flexible substrate by E-Beam evaporation
Cheng-Hsiung PENG, Pang Shiu CHEN (*MingHsin University of Science and Technology, Taiwan*), Tze-Wei LIN, S. W. LEE

[EMP-P1-107](#)

Variation of reflectivity and colour in $\text{SnO}_2/\text{Ag}/\text{SnO}_2$ structure with Nb_2O_5 and SiO_2 index matching layer
Sang-Moo YOON (*Chungbuk National University, Korea*), Gun-Eik JANG

[EMP-P1-108](#)

Structural influence of Al-doped zinc oxide thin films on nano-textured silicon substrate by RF magnetron sputtering
Sel Gi RYU (*Chonbuk National University, Korea*), Hyung Yong JI, Bhaskar PARIDA, Myeong Jun KIM, Jong Hyeon PECK, Keunjoo KIM

[EMP-P1-109](#)

Direct ohmic contact to deep UV LEDs using highly transparent AlN electrodes
Tae-ho LEE (*Korea University, Korea*), Dae Yun KANG, Ju Hyun PARK, Kyoeng Heon KIM, Byeong Ryong LEE, Tae Geun KIM

[EMP-P1-110](#)

Effects of molybdenum oxide interfacial layer on contacts between conducting oxides and p-type silicon
Gyujin OH (*Hanyang University, Korea*), Eun Kyu KIM

TUESDAY

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