

Poster contributions I (24 November 2015)

1	Juraj Priesol	Monte Carlo modelling of EBIC at Schottky nano-contact of Acoustic Spectroscopy	Faculty of Electrical Engineering and Information Technology, Slovak University of Technology in Bratislava, Slovakia
2	Bert Stegemann	Comparison of different oxidation techniques for the preparation of high-quality tunnel oxide layers on crystalline silicon wafers	HTW Berlin, University of Applied Sciences, Germany
3	Emil Pincik	Comparison of optical properties of black silicon and porous silicon	Institute of Physics, Slovak Academy of Sciences, Slovakia
4	Róbert Brunner	About photoluminescence of black silicon	Institute of Physics, Slovak Academy of Sciences, Slovakia
5	José Carlos Piñero	Twins and strain relaxation at the zinc-blende Si/GaAs NWs interface	Universidad de Cádiz, Spain
6	Boudjemaa Bouauina	Residual stress and microstructure of multilayer Mo ₂ N/CrN coating produced by r.f magnetron discharge.	University of Boumerdes, Algeria
7	Tibor Ižák	Temperature-dependent stress in diamond-coated AlGa _N /Ga _N heterostructures	Institute of Physics, Czech Academy of Sciences, Czech Republic
8	Bensouici Faycal	Optical, structural and photocatalysis properties of Cu-Doped TiO ₂ Thin Films	URMPE, departement of physics, UMBB, Algeria
9	Jaroslav Dzuba	Stress analysis in diamond-coated AlGa _N /Ga _N diaphragms for MEMS pressure sensors	Institute of Electrical Engineering, Slovak Academy of Sciences, Slovakia
10	Michaela Sojková	MoS ₂ thin film fabrication	Institute of Electrical Engineering, Slovak Academy of Sciences, Slovakia
11	Dinara Sobola	Application of AFM measurement and fractal analysis to study the surface of natural optical structures	Brno University of Technology, Faculty of Electrical Engineering and Communication, Czech Republic
12	Alexandr Knápek	Field emission as a tool for characterization of HOPG surface	Institute of Scientific Instruments of the Czech Academy of Sciences, v. v. i., Czech Republic
13	Miroslav Mikolášek	Low temperature light current-voltage measurements as a novel approach for investigation of silicon heterojunction solar cells	Institute of Electronics and Photonics, Slovak University of Technology, Slovakia
14	Vladimír Štrbík	Superconductor-ferromagnet-superconductor nanojunctions	Institute of Electrical Engineering, Slovak Academy of Sciences, Slovakia
15	Ondrej Szabó	The formation of Au plasmonic nanostructures on ZnO thin films by the sputtering	Institute of Electronics and Photonics, Faculty of Electrical Engineering and Information Technology, Slovak University of Technology, Slovakia
16	Andrej Mihálik	Digital Camera as Sensory Device for Gloss Measurement of Paint	Faculty of Mathematics, Physics and Informatics, Comenius University, Slovakia
17	Pavol Gašpierik	Modeling of electrical parameters of thin-film photovoltaic modules	Faculty of Electrical Engineering and Information Technology, Slovak University of Technology in Bratislava, Slovakia
18	Maroš Gregor	Effect of MgO surface layer on superconductivity of MgB ₂ thin films	Department of Experimental Physics, Faculty of mathematics, physics and informatics, Comenius University in Bratislava, Slovakia
19	Dušan Pudiš	PhC and PQC patterned in PDMS surfaces and their effect on LED radiation properties	Department of Physics, University of Žilina, Slovakia

20	Marina Davydova	Room temperature gas sensing properties of ZnO/ diamond double layer sensors	Institute of Physics of the Czech Academy of Sciences, v.v.i., Czech Republic
21	Marianna Španková	Structural characterization of epitaxial LSMO thin films with high Curie temperature grown on LSAT substrates	Institute of Electrical Engineering Slovak Academy of Sciences, Slovakia
22	Vladimír Šály	Accelerated ageing of Si-SiC heterostructures for photovoltaic application	Faculty of Electrical Engineering and Information Technology, Slovak University of Technology in Bratislava, Slovakia
23	Vladimír Šály	Electrical characterization of Si/B-NCD heterostructures	Faculty of Electrical Engineering and Information Technology, Slovak University of Technology in Bratislava, Slovakia

Poster contributions II (25 November 2015)

1	Yuki Kobayashi	Hydrogen-rich water produced by the reaction of Si nanopowder with water	The Institute of Scientific and Industrial Research, Osaka University, Japan
2	Daniel Jandura	Photonic devices fabricated in PDMS surface	Faculty of Electrical Engineering, University of Žilina, Slovakia
3	Oleg Babchenko	Stability of AlGaN/GaN heterostructures after hydrogen plasma treatment	Institute of Electrical Engineering, Slovak Academy of Sciences, Slovakia, Slovakia
4	Peter Gašo	Fiber and microchannel structures based on PDMS material for photonics and sensing applications	Faculty of Electrical Engineering, University of Žilina, Slovakia
5	Gabriel Vanko	Ir/Al multilayer systems for high temperature stable gates of AlGaN/GaN HEMTs	Institute of Electrical Engineering, Slovak Academy of Sciences, Slovakia
6	Patrik Pribytny	Analysis of Effects of Front Contact Work Function on Amorphous Silicon/Crystalline Silicon Heterojunction Solar Cell Performance supported by 3-D Modelling and Simulation	Faculty of Electrical Engineering and Information Technology, Slovak University of Technology in Bratislava, Slovakia
7	Martin Predanocý	Fabrication of titanium oxide nanostructures using HSQ e-beam resist	Institute of Electronics and Photonics, Faculty of Electrical Engineering and Information Technology, Slovak University of Technology in Bratislava, Slovakia
8	Martin Predanocý	Structural properties of sputtered nickel oxide thin films for detection of hazardous gasses	Institute of Electronics and Photonics, Faculty of Electrical Engineering and Information Technology, Slovak University of Technology in Bratislava, Slovakia
9	Ivan Hotovy	1.Fabrication and characterization of nickel oxide nano-structures on needle-shaped silicon substrates	Institute of Electronics and Photonics, Slovak University of Technology, Slovakia
10	Ivan Hotovy	2.Fabrication of titanium oxide nanostructures using HSQ E-beam resist	Institute of Electronics and Photonics, Slovak University of Technology, Slovakia
11	Agáta Laurenčíková	Formation of compact covering of vertically standing GaP nanowire arrays by Ga-doped ZnO layer	Institute of Electrical Engineering, Slovak Academy of Sciences, Bratislava, Slovakia
12	Dagmar Gregušová	Technology And Application Of In-Situ Alox Layers On III-V Semiconductors	Institute of Electrical Engineering, Slovak Academy of Sciences, Bratislava, Slovakia
13	Jaroslava Skriniarova	UV-Sensitive Photoresist used in Laser Interference, EBDW and NSOM Lithographies	Faculty of Electrical Engineering and Information Technology, Slovak University of Technology in Bratislava, Slovakia
4	Sali Samira	Low- temperature preparation of β -FeSi ₂ layers grown on Si substrates for solar cells applications with ZnO:Al thin film as an anti-reflection coating.	Centre de Recherche en Technologie des Semi-conducteurs pour l'Energétique —Division DDCS, Algeria
15	Ladislav Harmatha	Simulation of I-V curves of a GaN/AlGaN heterostructure based on the 12-EXT model of trap-assisted tunnelling	Institute of Electronics and Photonics, Faculty of Electrical Engineering and Information Technology, Slovak University of Technology in Bratislava, Slovakia
16	Milan Mikula	Preparation of hybrid organic-inorganic perovskite solar cells at ambient conditions	Fac. of Chemical and Food Technol. Slovak University of Technology in Bratislava, Slovakia Bratislava,

			Slovakia
17	Milan Mikula	The performance of the compact (blocking) sol-gel TiO _x layer in hybrid solar cells on plastic substrates	Fac. of Chemical and Food Technol. Slovak University of Technology in Bratislava, Slovakia Bratislava, Slovakia
18	Milan Mikula	Spectroscopic comparison between printed TiO ₂ and ZnO electrodes sensitized by one-step and two-step preparation method of perovskites	Fac. of Chemical and Food Technol. Slovak University of Technology in Bratislava, Slovakia Bratislava, Slovakia
19	Nuria Baladés	Effect of annealing on the phase separation of InAlAsSb	University of Cádiz, Spain
20	Lukasz Zajac	Influence of carboxyl group and surface orientation on the Zn porphyrins morphology on rutile TiO ₂ surface: STM studies	Jagiellonian University, Poland
21	Alexander Šatka	Cathodoluminescence study of asymmetric GaN nanopyrramids prepared from nano-dash templates	Faculty of Electrical Engineering and Information Technology, Slovak University of Technology in Bratislava, Slovakia
22	Sawsen Nezar	Structural, optical and photocatalytic properties of TiO ₂ thin films deposited by rf-magnetron sputtering	Centre de Développement des Technologies Avancées, Cité du 20 Aout 1956, Baba Hassen, Alger, Algeria
23	Thomas Chassé	Identification of mechanical weakness in OPV devices - an analytical approach	Institut für Physikalische und Theoretische Chemie, Universität Tübingen, Germany