



Poster Session 2 Day 3

Tuesday 30th May 2017

Location: Conference Foyer

17:50pm – 19:00pm

Location No	Paper ID, Presenter & Title
1	<b>006 - Sanju Gupta, Western Kentucky University, United States of America</b> <i>Facile synthesis of water-soluble graphene quantum dots/graphene oxide composites for efficient photodetector</i>
2	<b>011 - Kerem Bray, University of Technology Sydney, Australia</b> <i>Versatile Nanodiamond Probes for Intracellular Imaging</i>
3	<b>026 - Dejun Li Tianjin, Normal University, China</b> <i>Controllable three-dimensional self-assembly graphene by hydrothermal reaction time to cytocompatibility</i>
4	<b>077 - Michael J. Sear, La Trobe University, Australia</b> <i>Germanium termination of the (100) diamond surface</i>
5	<b>090 - Yan-Feng Wang, Jiaotong University, China</b> <i>Normally-off Hydrogen-terminal Diamond Field-Effect Transistors</i>
6	<b>092 - Pengzhi Yang, Xidian University, China</b> <i>Research on the Characteristics of Polycrystalline Diamond Field Effect Transistors</i>
7	<b>093 - Tian-Fei Zhu, Jiaotong University, China</b> <i>Diamond microlens arrays for beam homogenizer</i>
8	<b>094 - Maria Brzhezinskaya, Southern Federal University, Germany</b> <i>High power beam combination and beam transformation using synthetic single crystal diamond</i>
9	<b>097 - Dan Zhao, Jiao Tong University, China</b> <i>Cu/Ni Lateral Merged Double Metals to Gain Excellent Forward and Reverse Characteristics for Diamond Schottky Diode</i>
10	<b>099 - Kim Je Deok, National Institute of Materials Science, Japan</b> <i>Preparation and Property of Nanocarbon Composite (I)</i>
11	<b>102 - Anatoly Muchnikov, Gemological Institute of America, United States of America</b> <i>Cross section study of thick single crystal CVD diamond</i>
12	<b>104 - Aaron Hardy, Fraunhofer USA Center for Coatings and Diamond Technologies, United States of America</b> <i>Pulsed Microwave Deposition of Epitaxial Boron-Doped Diamond</i>
13	<b>105 - Russell Sandstorm, University of Technology Sydney, Australia</b> <i>Study of narrow-band single photon emitters in polycrystalline diamond films</i>
14	<b>108 - Sy Yes - Ila Technologies Pte Ltd, Singapore</b> <i>X-ray topography studies of high quality Ila type CVD grown single crystal diamonds</i>
15	<b>111 - Tak Kim, Griffith University, Australia</b> <i>Amine Functionalised Carbon Dots as a Fluorescence Probe for Phenol in Water</i>
16	<b>112 - J.-K. Park, Korea Institute of Science and Technology, South Korea</b> <i>The change in seed density and adhesion of nanocrystalline diamond on WC-Co substrate with W- and Si- based carbide and nitride buffer layers</i>
17	<b>113 - Tomomi Kozu, Akita University, Japan</b> <i>Observation of DUV irradiation damage on ta-C film in various gas atmosphere</i>
18	<b>120 - Dong-Yo Sin, Seoul National University of Science and Technology, Korea</b> <i>Metal oxide decorated porous carbon nanofibers for high-performance electrochemical capacitors</i>
19	<b>122 - Geon-Hyoung An, Seoul National University of Science and Technology, Korea</b> <i>Improved stability of solution-processed silver nanowire transparent electrodes by metal oxide</i>
20	<b>123 - Eiichi Kamei, Kwansai Gakuin University, Japan</b> <i>Dislocation analysis of p+ HPHT diamond by X-ray topography</i>
21	<b>124 - K. Yamaguchi, Kwansai Gakuin University, Japan</b> <i>Evaluation of strain and dislocation of p+ diamond epitaxial layer on HPHT</i>
22	<b>125 - Y.Tsuchida, Kwansai Gakuin University, Japan</b> <i>Evaluation of doping distribution of diamond by Raman spectroscopy</i>
23	<b>127 - Satoshi Matsushita, National Institute for Materials Science, Japan</b> <i>Preparation of Carbonaceous Film Electrodes using Poly(3,4-ethylenedioxythiophene) and Polyacetylene Films</i>
24	<b>130 - W. Wang, Jiaotong University, China</b> <i>Diamond Field Effect Transistor with ALD SiNx Dielectric Layer</i>
25	<b>132 - Sekhar Chandra Ray, University of South Africa, South Africa</b> <i>Functional diamond like carbon (DLC) coatings on polymer for improved gas barrier performance</i>
26	<b>134 - Maria A. Augustyniak-Jablokow, Institute of Molecular Physics of Polish Academy of Sciences, Poland</b> <i>Origin and localization of the paramagnetic centres in the single-digit nanodiamonds</i>
27	<b>147 - Daniel Drumm, RMIT University, Australia</b> <i>Xe in diamond by probe-enhanced Raman spectroscopy</i>
28	<b>148 - Julia McCoe, The University of Melbourne, Australia</b> <i>Magnets for Markers, Magnets for teeth – New Magnetometry Imaging in Biology</i>
29	<b>149 - Yi Jiang, The University of Melbourne, Australia</b> <i>Seeking Superconductivity in CVD diamond</i>



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30	150 – Andrew Greentree, RMIT University, Australia <i>Laser-threshold sensing using nitrogen-vacancy colour centres in diamond: a new approach to magnetometry</i>
31	151 - Masataka Imura, National Institute for Materials Science, Japan <i>Effect of off-cut angle of hydrogen-terminated diamond(111) substrate on the quality of AlN towards high-density AlN/diamond(111) interface hole channel</i>
32	153 - Kambiz Ansari, Ila Technologies PTE LTD, Singapore <i>Fabrication of high quality thin single-crystal CVD grown diamond membranes supported by SiO2 windows</i>
33	154 - Atsushi Hirata, Tokyo Institute of Technology, Japan <i>Examination of ultra-precision polishing rate using carbon onion as nanoscale abrasive</i>
34	158 -Afaq Habib Piracha, Macquarie University, Australia <i>UV induced single and multi-layer etching of carbon from single crystal diamond</i>
35	161 - Chris Baldwin, Macquarie University, Australia <i>Hydrogenation of diamond at room temperature via two-photon UV etching</i>
36	162 - Te Bi Zhu, Waseda University, Japan <i>Normally-off Diamond p-FET Application in Cascode with 1735 V Breakdown Voltage</i>
37	163 – Vadim Sedov, Russian Academy of Sciences, Russia <i>Luminescent diamond films with embedded rear-earth fluoride nanoparticles</i>
38	176 – Kuma Ganesan, The University of Melbourne, Australia <i>Single Crystal Diamond Membrane and its biological Applications</i>
39	177 – Ilya Ponomarev, Euclid Techlabs, United States of America <i>Temperature dependent analysis of the enhanced hole mobility in nanometric diamond delta doping with boron</i>
40	178 – Anurag Srivastava, ABV-Indian Institute of Information Technology and Management, India <i>Si-decorated zigzag CNT as HBr sensor</i>
41	180 – Emma Wilson, RMIT University, Australia <i>Fluorescent nanodiamond as a peroxidase mimic</i>
42	181– Satoshi Yamazaki, Tohoku University, Japan <i>Evaluation of Electromagnetic Properties and Structure of Cobalt-containing DLC Fabricated by Hybrid Deposition Technique</i>
43	185 – Phil Diggles, University of Warwick, United Kingdom <i>Investigating the Nitrogen Vacancy Charge State in a Boron/Nitrogen Co-Doped Single Crystal Synthetic Diamond</i>
44	190 – Makoto Kasu, Saga University, Japan <i>Continuous operation (14 h) and stress tests for H-diamond field-effect transistors</i>
45	192 – Sergey Kidalov, Ioffe Physico-Technical Institute, Russia <i>Study of aluminum/carbon nanofibers composites and the investigation of its strength and thermal properties</i>
46	193 – Zhengfen Wan, Griffith University, Australia <i>Laser direct writing graphene and its application for antennas</i>
47	194 – Weiya Zhou, Institute of Physics Chinese Academy of Sciences, China <i>Carbon nanotube yarns and their potential applications</i>
48	195 – Mark Newton, University of Warwick, UK <i>Engineering and Physical Sciences Research Council (EPSRC) Centre for Doctoral Training (CDT) in Diamond Science and Technology (DST)</i>
49	203 – Jongho Han, Korea Advanced Institute of Science and Technology, South Korea <i>Calcium-catalyzed synthesis of nanocrystalline zeolite-templated, hierarchically porous carbon for electrical double layer capacitor applications</i>
50	207 – Yanqing Wang, The University of Tokyo, Japan <i>Nitrogen-Doped Porous Carbon Monoliths with Controlled Morphologies and Shapes from Polyacrylonitrile (PAN) and Highly Dispersed Carbon Nanotubes as Electrodes for Supercapacitors</i>
51	209 – Ming Lu, Daicel, Japan <i>Soft X-ray Analyses of Detonation Nanodiamonds to Investigate Surface sp2 Carbon for Dispersibility Improvement</i>
52	
53	211 – Evgenii Smirnov, Teprocom LLC, Russia <i>Chemical modification of diamond surface</i>
54	214 – Nicole Cordina, Macquarie University, Australia <i>Targeting fluorescent nanodiamonds to E-selectin for the detection of inflammation</i>
55	215 – Kuei-Hsien Chen, Institute of Atomic and Molecular Sciences, Taiwan <i>Enhanced HER electrocatalytic activity of Pt via strain-engineering of the graphene support</i>
56	217 – Takashi Taniguchi, National Institute for Materials Science, Japan <i>Issues for synthesis high quality hexagonal Boron Nitride single crystals by using solvent growth process</i>
57	219– Kuei-Hsien Chen, Institute of Atomic and Molecular Sciences, Taiwan <i>Enhanced HER electrocatalytic activity of Pt via strain-engineering of the graphene support</i>
58	223– Kwun Nam Hui, University of Macau, China <i>Ultrathin NiAl layered double hydroxide nanosheet arrays on carbon nanotube paper as advanced hybrid electrode for high -performance hybrid capacitors</i>