

NDNC2020/2021 Program- 7 June (Day 1)

* Please note that the program is subject to change.

Morning Session		
	Room I	Room II
8:15 - 8:30	Opening Remarks	
8:30 - 9:00	Session I-01: Growth and Devices Satoshi Koizumi (NIMS, Japan), Hiroshi Kwarada (Waseda University)	
9:00 - 10:00	I-01-1 [Invited] Diamond FETs: from C-H termination to C-Si connection and 3D integration (30 min) Hiroshi Kwarada (Waseda University, Japan)	
	I-01-2 n-Type conductivity of phosphorus-doped (111) diamond films grown by hot-filament CVD (15 min) Y. Katamune, D. Mori, A. Izumi, T. Shimaoka, K. Ichikawa, S. Koizumi (Kyushu Institute of Technology, Japan)	
	I-01-3 Magnetic Properties of Iron-doped Diamond Films (15 min) M. Kawano, K. Hiram, K. Kumakura (NTT Basic Research Laboratories, Japan)	
	I-01-4 In-situ study of nucleation on 3C-SiC/Si (111) substrate for highly oriented heteroepitaxial diamond (15 min) K. Kajiyama, S. Okuda, H. Ishiwata, T. Iwasaki, M. Hatano (Tokyo Institute of Technology, Japan)	
	I-01-5 Research on diamanes (15 min) P. V. Bakharev, R. S. Ruoff (Institute for Basic Science, South Korea)	
10:05 - 10:55	Poster/Exhibition	
11:00 - 12:15	Session I-02: Characterization Timothy Grotjohn (Michigan Univ., USA)	Session II-02: DLC M. Aono (Kagoshima Univ., Japan)
	I-02-1 Dislocations in Homoepitaxial Diamond characterized by Confocal Raman Imaging (15 min) K. Ichikawa, T. Shimaoka, Y. Kato, S. Koizumi, T. Teraji (National Institute for Materials Science, Japan)	II-02-1 [Invited] Classification of Carbon Films (30 min) Naoto Ohtake (Tokyo Institute of Technology, Japan)
	I-02-2 Dislocation features of various type of diamond substrates (15 min) S. Shikata, K. Miyajima, E. Kamei, N. Akashi (Kwanse Gakuin Univ., Japan)	II-02-2 Standardization for Determination of Optical Properties of DLC films by spectroscopic ellipsometry method (15 min) M. Hiratsuka (Diamond-Like Carbon Industry Association)
	I-02-3 Transient coexistence of excitons and charged carriers in high-purity diamond (15 min) S. Hamabata, J. H. Kaneko, N. Naka, I. Akimoto (Wakayama University, Japan)	
	I-02-4 Characterization of mosaic diamond wafers and hot filament epilayers by using HR-EBS D techniques (15 min) K. Tanaka, S. Ohmagari, M. Tachiki, M. Takano, H. Umezawa, A. Chayahara, H. Yamada (AIST, Japan)	
	I-02-5 Charge Stability of Single Shallow NV Centers in High Purity Diamond (15 min) T. Kageura, Y. Sasama, T. Teraji, K. Yamada, S. Onoda, T. Yamaguchi (National Institute for Materials Science, Japan)	
II-02-3 Evaluation Protein-Surface Interaction of Diamond-like Carbon (DLC) Film (15 min) S. L. Kamis, H. Akasaka, N. Ohtake (Universiti Teknologi Malaysia, Malaysia)	II-02-4 An attempt to evaluate adhesion of DLC Films with oscillating microscratch tester (15 min) M. Takeuchi, D. Arai, M. Hiratsuka (RHESCA CO., Ltd., JAPAN)	
12:15 - 13:00	Industrial Session	

NDNC2020/2021 Program- 7 June (Day 1)

Afternoon Session		
15:30 - 16:00	Session I-03: Growth and Characterization 1 Hideaki Yamada (AIST, Japan), Alexandre Tallaire (IRCP, France)	Session II-03 Electrochemistry Anke Krüge (Wuerzburg Univ., Germany), Takeshi Kondo (Tokyo Univ. of Science, Japan)
	I-03-1 (30 min) [Invited] CVD synthesis of bulk single crystal diamonds and nitrogen doping for quantum applications Alexandre Tallaire (IRCP and LSPM, France)	II-03-1 (30 min) [Invited] Nanoscale electrochemical imaging of single-crystal BBD Yasufumi Takahashi (Kanazawa University, Japan)
	I-03-2 (15 min) Selective boron doped homoepitaxial diamond growth for power device applications F. Lloret, D. Eon, E. Bustarret, F. Donatini, M.P. Villar, D. Araujo (University of Cádiz, Spain)	II-03-2 (15 min) The Impact of Nanodiamond on Early Developing Mammalian Embryos M. Sarmiento, A. Krivoharchenko, S. Manuel, C.H. Lee, A. Karmenyan, E. Perevedentseva, V. Natochenko, C.L. Cheng (National Dong Hwa University, Taiwan)
	I-03-3 (15 min) Time of flight measurement using electron beam induced current on a diamond single crystal A. Portier, F. Donatini, D. Dauvergne, M.L. Gallin-Martel, J. Pernot (Univ. Grenoble Alpes, CNRS, France)	II-03-3 (15 min) Electrochemical route to bio-compatible fluorine-terminated diamond surface Y.F. Wang, W. Wang, J. Wei, B. Jiao, D. Xu, X. Chang, H.N. Abbasi, W. Song, G. Chen, H.X. Wang (Xi'an Jiaotong University, China)
	I-03-4 (15 min) Influence of defect structures to dielectric properties in diamond T. A. Scherer, D. Strauss (Karlsruhe Institute of Technology KIT, Germany)	II-03-4 (15 min) Diameter-based separation of SWNTs through their mechanical interlocking with nanorectangle G. Cheng, N. Komatsu (Kyoto University, Japan)
I-03-5 (15 min) Investigation of residual stress in linear antenna CVD diamond films R. Mary Joy, P. Pobedinskas, K.J. Sankaran, F. Lloret, D. Desta, H.G. Boyen, J. D'Haen, K Haenen (Institute for Materials Research (IMO), Hasselt University, Belgium)	II-03-5 (15 min) Surface functionalized nanodiamond for ion sensing and protein repulsion V. Merz, A. Krueger (Wuerzburg University, Institute for Organic Chemistry, Germany)	
17:05 - 17:55	Poster/Exhibition	
18:00 - 19:15	Session I-04: Novel Devices 1 Meiyon Liao (NIMS, Japan), Tsuyoshi Yoshitake (Kyusyu Univ., Japan)	Session II-04: Color Center 1 Ken Haenen (Hasselt Univ., Belgium)
	I-04-1 (15 min) Vessel Gated pH Measurement System Using Insensitive Diamond Solution Gate FET S. Kawaguchi, Y. Iyama, Y. H. Chang, K. Tadenuma, Y. Shintani, Y. Tao, K. Mori, H. Kawarada (Waseda University, Japan)	II-04-1 (30 min) [Invited] Quantum magnetic microscopy using nitrogen vacancy defects in diamond David Simpson (The University of Melbourne, Australia)
	I-04-2 (15 min) The effect of boundary curvature on the wrinkling of suspended nanocrystalline diamond films S. D. Janssens, B. Sutisna, A. Giussani, D. Vázquez-Cortés, E. Fried (Okinawa Institute of Science and Technology Graduate University, Japan)	II-04-2 (15 min) Two-photon interference of indistinguishable photons from silicon carbide N. Morioka, C. Babin, R. Nagy, I. Gediz, E. Hesselmeier, D. Liu, M. Joliffe, M. Niethammer, D. Dasari, V. Vorobyov, R. Kolesov, R. Stöhr, J. Ul-Hassan, N. T. Son, T. Ohshima, P. Udvarhelyi, G. Thiering, A. Gali, J. Wrachtrup, F. Kaiser (University of Stuttgart and IQST, Germany)
	I-04-3 (15 min) Diamond SAW resonator S. Fujii, H. Toonoe, Y. Shiba (National Institute of Technology, Japan)	II-04-3 (15 min) Effects on Fluorescence of Nitrogen Vacancy Centre due to Its Distance from the Surface of Nanodiamond Q. Sun, A. D. Greentree (RMIT University, Australia)
	I-04-4 (15 min) Single-crystal Diamond MEMS Resonator for Magnetic Sensor Working up to 773 K Z. Zhang, L. Sang, Y. Koide, S. Koizumi, M. Liao (National Institute for Materials Sciences, Japan)	II-04-4 (15 min) Nitrogen-Vacancy Centres in Phosphorus-Doped Diamond: Ultra-Long Coherence Times E. D. Herbschleb, H. Kato, A. Watanabe, Y. Maruyama, T. Nishikawa, T. Danjo, T. Makino, S. Yamasaki, I. Ohki, K. Hayashi, H. Morishita, M. Fujiwara, N. Mizuochi (Kyoto University, Japan)
19:15 - 20:00	Industrial Session	

NDNC2020/2021 Program- 8 June (Day 2)

2021.05.26

* Please note that the program is subject to change.

Morning Session		
	Room I	Room II
8:00 - 8:30	Session I-05: Power Devices Yasuo Koide (NIMS, Japam), Hitoshi Umezawa (AIST, Japan)	Session II-05: 2D and Amorphous Shery Chang (Univ.of New South Wales, Australia)
	I-05-1 [Invited] All Diamond and Diamond Heterostructure Electronic Devices (30 min) Timothy Grotjohn (Michigan State University)	
8:30 - 9:30	I-05-2 [Invited] Diamond, an Ultra-Wide Bandgap Semiconductor for Power Electronics (20 min) Robert Nemanich (Arizona State University, USA)	
	I-05-3 [Invited] Diamond electronic devices for power electronics: status of the GreenDiamond European project (20 min) Etienne Gheeraert (Universite Grenoble Alpes, France)	9:00-10:00 II-05-1 Influence of the Carbon-Rich Domain in Hexagonal Boron Nitride Single Crystals on Transport Properties of Adjacent Graphene (15 min) M. Onodera, K. Watanabe, S. Masubuchi, R. Moriya, T. Taniguchi, T. Machida (The University of Tokyo, Japan)
	I-05-4 [Invited] Diamond-power device research in Japan (20 min) Toshiharu Makino (AIST, Japan)	II-05-2 Effects of Strain in CVD Graphene on Mobility (15 min) T. Yamada, Y. Okigawa, M. Hasegawa, K. Watanabe, T. Taniguchi (National Institute of Advanced Industrial Science and Technology, Japan)
9:30 - 10:00	I-05-5 High Voltage Operation of Heteroepitaxial Diamond MOSFETs with NO₂ p-type Doping and Al₂O₃ Passivation Overlayer (15 min) N. C. Saha, S.W. Kim, T. Oishi, Y. Kawamata, K. Koyama, M. Kasu (Saga university, Japan)	II-05-3 Mechanistic Investigation of Boron Nitride Nanotube Degradation using Environmental Transmission Electron Microscopy (15 min) H.Y. Chao, D. Golberg, C. Park, R. Sharma, J. Cumings (National Institute of Standards and Technology, USA)
	I-05-6 High-Mobility Normally-Off Hydrogen-Terminated Diamond Field-Effect Transistors with a h-BN Gate Insulator (15 min) Y. Sasama, T. Kageura, M. Imura, K. Watanabe, T. Taniguchi, T. Uchihashi, Y Takahide (National Institute for Materials Science, Japan)	II-05-4 Chemical State Mapping of Amorphous Carbon and Amorphous Carbon Nitride Thin Films via Soft X-ray and Synchrotron Radiation Infrared Rays (15 min) M. Aono, M. Shimono, H. Kishimura, Y. Sato, M. Terauchi (Kagoshima University, Japan)
10:05 - 10:55	Poster/Exhibition	

	Room I	Room II
11:00 - 12:15	Session I-06: Growth and Characterization 2 Hiromitsu Kato (AIST, Japan)	Session II-06: Nano Diamond Takako Nakamura (AIST, Japan)
	I-06-1 (30 min) [Invited] Dynamics of photoexcited carriers and excitons in diamond Nobuko Naka (Kyoto University, Japan)	II-06-1 (15 min) Structural properties and adhesion enhanced of Nanodiamond Composite Films Deposited on Si Substrates at Room Temperature by Employing Buffer Layer A. Mohamed Ali, M. Egiza, K. Murasawa, H. Sugita, Y. Fukui, H. Gonda, M. Sakurai, T. Yoshitake (Kyushu University, Japan)
	I-06-2 (15 min) Nano Carbon Enhanced Diamond p-i-n Diodes F. A. Koeck, M. Benipal, H. Surdi, R. J. Nemanich (Arizona State University, Department of Physics, USA)	II-06-2 (15 min) Influence of Hydrogen Gas Flow Ratio on the Properties of Silicon and Nitrogen Doped Diamond-Like Carbon Films by Plasma-Enhanced Chemical Vapor Deposition H. Osanai, Y. Sasaki, Y. Ohtani, Y. Muroso, M. Sato, Y. Kobayashi, Y. Enta, Y. Suzuki, H. Nakazawa (Hiroasaki University, Japan)
	I-06-3 (15 min) Deep Interface Trap Analysis for Al₂O₃ /Diamond MOS Structure by High-temperature Conductance Method X. Zhang, T. Matsumoto, U. Sakurai, T. Makino, M. Ogura, S. Yamasaki, M. Sometani, D. Okamoto, H. Yano, N. Iwamuro, T. Inokuma, N. Tokuda (Nanomaterials Research Institute, Kanazawa University, Japan)	II-06-3 (15 min) Enhancement of Diamond Optical and Electron Emission Properties using Embedded Plasmonic Nanoparticles R. J. Hamers, S. Li, B. Bachman, C. Saucedo (University of Wisconsin-Madison, USA)
	I-06-4 (15 min) Modeling of Electrical Characteristics in Hydrogen-Terminated Diamond Field-Effect Transistors T. Yamaguchi, Y. Sasama, T. Kageura, M. Imura, K. Watanabe, T. Taniguchi, T. Uchihashi (National Institute for Materials Science, Japan)	II-06-4 (15 min) Technological Development and Clinical Trials for a Transformational New Generation of Dental Implants Coated with Biocompatible Corrosion Resistant Ultrananocrystalline Diamond (UNCD) Coating O. Auciello, G. López-Chávez, D. G. Olmedo, D. R. Tasat (University of Texas at Dallas, USA)
	I-06-5 (15 min) Three-Dimensional Imaging of Detonation Nanodiamond Assembly in Water S. L.Y. Chang, D. Williams, T. Sanders, C. Dwyer (Arizona State University, USA)	
12:15 - 13:00	Industrial Session	
Afternoon Session		
15:30 - 17:00	Session I-07: Characterization and Devices Julien. Pernot (Univ. Grenoble Alpes, France)	Session II-07 Graphene and Nano Diamond Takashi Taniguchi (NIMS, Japan), Stoffel Janssens (OIST, Japan)
	I-07-1 (30 min) [Invited] Defects in homoepitaxial n-type doped diamond by TEM related techniques Pilar Villar (Cadiz Univ, Spain)	II-07-1 (15 min) Microscopic thickness-dependent opto-electronic characterization of CVD Graphene/h-BN heterostructures J. Kulicek, T. Yamada, B. Rezek (Faculty of Electrical Engineering, Czech Technical University, Czech Republic)
	I-07-2 (15 min) Mobility of two-dimensional hole gas at diamond/insulator interface G. Daligou, J. Pernot (Univ. Grenoble Alpes, CNRS, France)	II-07-2 (15 min) Phonon Anomalies of Hydrogen Intercalated into Graphene Layers under High Pressure A. Nakayama, R. Takahashi, Y. Natsuya, S. Nakano (Dept. of Phys. Sci. and Mat'ls Eng., Iwate Univ., Japan)
	I-07-3 (15 min) Heteroepitaxial diamond-based inversion channel MOSFET T. Matsumoto, H. Noguchi, X. Zhang, Y. Nakano, H. Kato, T. Makino, D. Takeuchi, M. Ogura, S. Yamasaki, C. E. Nebel, T. Inokuma, N. Tokuda (Kanazawa Univ., Japan)	II-07-3 (15 min) Role of Surface Contamination in Nanodiamond Seeding P. Pobedinskas, W. Dexters, J. D'Haen, K. Haenen (Hasselt University, Belgium)
	I-07-4 (15 min) Thermal Stability of Inversion-Channel Diamond MOSFETs A. Traore, H. Kato, T. Makino, T. Matsumoto, N. Tokuda, M. Ogura, Y. Kato, D. Takeuchi, S. Yamasaki (University of Tsukuba, Japan)	II-07-4 (15 min) Fabrication, Microstructure, and Field/Thermionic Electron Emission Characteristics of Au-Ion Implanted Nanocrystalline Diamond Films K. J. Sankaran, S. Korneychuk, B. Sundaravel, J. Verbeeck, I. N. Lin, K. Haenen (Hasselt University, Belgium)
	I-07-5 (15 min) Triple-gate fin-type hydrogenated diamond MOSFETs J. Liu, H. Ohsato, B. Da, Y. Koide (National Institute for Materials Science, JAPAN)	II-07-5 (15 min) A few examples of carbon science underway in CMC R. S Ruoff (Institute for Basic Science, South Korea)
I-07-6 (15 min) Large area microwave plasma CVD of diamond using composite right/left-handed materials J. Zalieckas, P. Pobedinskas, M. M. Greve, K. Eikehaug, K. Haenen, B. Holst (University of Bergen, Norway)		
17:05 - 17:55	Poster/Exhibition	

NDNC2020/2021 Program- 8 June (Day 2)

2021.05.26

18:00 - 19:15	Session I-08: Novel Devices 2 Toshiharu Makino (AIST, Japan)	Session II-08: Color Center 2 D. Simpson (Univ. of Melbourne, Australia)
	I-08-1 (15 min) Diamond nanowires displaying quasi-ballistic carrier transport: A new diamond device paradigm A. C Pakpour-Tabrizi, S. Yosinki, R. J. Moors, Z. A. Kobos, S. D. Sawtelle, M. A. Reed, R. B. Jackman (University College London, UK)	II-08-1 (15 min) Nitrogen Impurities Reduce the Quantum Yield of Nitrogen-Vacancy Centres in Diamond M. Capelli, H. Abe, S. Onoda, T. Ohshima, B. C. Johnson, D. A. Simspson, T. Luo, J. Jeske, A. D. Greentree, P. Reineck, B.C. Gibson (RMIT University, Australia)
	I-08-2 (15 min) Hydrogen Terminated Diamond FETs on UV Laser-Exposed Surfaces M. Moshkani, J. E Downes, R. P. Mildren (MQ Photonics Research Centre, Macquarie Univ., Australia)	II-08-2 (15 min) Polarization dependent quantum correlation measurements of two nitrogen-vacancy color centres in diamond D. Peng, J. G. Worboys, M. Capelli, Q. Sun, P. Reineck, B. C. Gibson, A. D. Greentree (RMIT University, Australia)
	I-08-3 (15 min) Various optoelectronic memory functions of vertically-aligned graphene/diamond heterojunctions K. Ueda, Y. Mizuno, Y. Ito (Nagoya University, Japan)	II-08-4 (15 min) Electrical Detection of Magnetic Resonance of NV Centers in Diamond under Zero-Bias Voltage H. Morishita, T. Nishikawa, S. Onoda, H. Abe, T. Ohshima, N. Mizuochi (Kyoto University, Japan)
	I-08-4 (15 min) Diamond particle alignment by AC electric field application for thermal conductivity enhancement of heat conduction sheets M. Inaba, S. Hayashi, H. Li, M. Kamimura, J. Hirotsu, M. Nakano, J. Suehiro (Kyushu University, Japan)	II-08-5 (15 min) Development of Microwave Antenna for Operation of (5mm)³ Volume Solid State Spins D. Nishitani, T. Shibata, K. Oyama, F. Cheng, Y. Hatano, T. Teraji, S. Onoda, T. Oshima, T. Iwasaki, M. Hatano (DENSO CORPORATION, Japan)
	I-08-5 (15 min) Vertical diamond trench MOS barrier Schottky diodes with high breakdown voltage J. Wang, D. Zhao, G.Q. Shao, G.Q. Chen, X.L. Yan, Z.Q. Song, Q. Li, Z.C. Liu, H.X. Wang (Xi'an Jiaotong University, China)	
19:30 - 20:00	Industrial Session	

NDNC2020/2021 Program- 9 June (Day 3)

* Please note that the program is subject to change.

Morning Session		
	Room I	Room II
8:30 - 10:00	Session I-09: Gemology and BN Etienne Gheeraert (Neel Inst., France) I-09-1 [Invited] What's new for gem diamonds: Distinguishing natural from lab-grown (30 min) Sally Eaton-Magaña (Gemological Institute of America, USA) I-09-2 The current state of production of synthetic diamond Manufacturers in Asia and statistics of synthetic diamonds identified by CGL (15 min) H. Kitawaki, K. Emori, M. Hisanaga, M. Yamamoto (Central Gem Laboratory, Japan) I-09-3 EPR Imaging of type-IIa Synthetic Diamond Single Crystals (15 min) J. Isoya, H. Hara, K. Watanabe, H. Sumiya, S. Onoda, T. Teraji, T. Umeda, A. Uedono (University of Tsukuba, Japan) I-09-4 [Invited] Boron Nitride single crystals as wide band gap materials (30 min) Takashi Taniguchi (National Institute for Materials Science, Japan)	
10:05 - 10:55	Exhibition	
11:00 - 12:15	Session I-10: Detector 1 Robert Nemanich (Arizona State Univ., USA) I-10-1 [Invited] Development of diamond radiation detector system for post severe accident (30 min) Junichi Kaneko (Hokkaido University, Japan) I-10-2 Betavoltaic characteristics of diamond pn diodes (15 min) T. Shimaoka, H. Umezawa, K. Ichikawa, J. Pernot, S. Koizumi (National Institute for Materials Science, Japan) I-10-3 Improvement of CNT Cathode Performance Following an In-Space Demonstration Experiment (15 min) Y. Ohkawa, T. Okumura, S. Kawamoto (Japan Aerospace Exploration Agency, Japan)	Session II-10: Color Center 3 R. J. Hamers (Univ. of Wisconsin, USA) II-10-1 Generation of nitrogen-vacancy ensembles in diamond for use in magnetic-field sensing applications: Optimization and scalability of CVD (15 min) M. Markham, A. Edmonds (Element Six, UK) II-10-2 Quantum sensors along the cylindrical walls of diamond microwells (15 min) T. Ishikawa, A. Yoshizawa, Y. Mawatari, H. Watanabe, J. Ishi-Hayase, K. M. Itoh (National Institute of Advanced Industrial Science and Technology (AIST), Japan) II-10-3 Real-time nanodiamond thermometry probing nematode worms (15 min) M. Fujiwara, S. Sun, A. Dohms, Y. Nishimura, K. Suto, Y. Takezawa, K. Oshimi, L. Zhao, N. Sadzak, Y. Umehara, Y. Teki, Naoki Komatsu, O. Benson, Y. Shikano, E. Kage-Nakadai (Osaka City University, Japan) II-10-4 Label-Free Phase Change Detection of Lipid Bilayers Using Nanoscale diamond magnetometry (15 min) H. Ishiwata, H. C. Watanabe, S. Hanashima, T. Iwasaki, M. Hatano (PRESTO, Japan Science and Technology Agency, Japan) II-10-5 Photonic Devices in Single Crystal (111) Diamond Membrane (15 min) B. E. Regan, A. T. Trycz, K. Bray, S. Kim, I. Aharonovich (University of Technology Sydney, Australia)
12:15 - 13:00	Industrial Session	

NDNC2020/2021 Program- 9 June (Day 3)

Afternoon Session	
15:30 - 17:00	<p>Session I-11: Detector 2 Philippe Bergonzo (Seki Diamond, USA), Richard Jackman (Univ. College London, UK)</p> <p>I-11-1 (30 min) [Invited] Mapping Basic Research Needs for Fukushima Daiichi Fuel Debris Retrieval Toru Ogawa (Nagaoka University of Technology, Japan)</p> <p>I-11-2 (15 min) Characterization Of Ion Beam Induced Polarization In Scvd Diamond Detectors Using A Microbeam Probe M. R. Ramos (Ruder Boskovic Institute, Croatia)</p> <p>I-11-3 (15 min) Diamond-based detector development for pulsed beam monitoring for medical applications. M. L. Gallin-Martel, L. Abassi, A. Bes, G. Bosson, J. Collot, T. Crozes, S. Curtoni, D. Dauvergne, L. Gallin-Martel, A. Guertin, A. Ghimouz, F. Haddad, C. Horeau, C. Koumeir, A. Lacoste, S. Marcatili, V. Métivier, J.F. Motte, J.F. Muraz, F. Poirier, N. Servagent, F. E. Rarbi, O. Rossetto, L. Tribouilloy, M. Yamouni (LPSC, CNRS, France)</p> <p>I-11-4 (30 min) [Invited] CVD diamond synthesis and application driven strategies Philippe Bergonzo (Seki Diamond Systems, USA)</p>
17:00 - 17:15	Closing Remarks