

# **International Conference on Functional Nanomaterials & Nanotechnology (ICFNN-2017)**

## **Program**

**October 10-13, 2017**

**Hotel Yak & Yeti, Kathmandu, Nepal**

**Organized by**



**RIMSN**

Research Institute for  
Materials Science &  
Nanotechnology

# Program Overview

October 10 (TUE)		October 11 (WED)		October 12 (THU)		October 13 (FRI)	
Registration (8:30 – 10:00)		Plenary Lecture 1 (Crystal Hall) (9:00 – 9:45)		Plenary Lecture 2 (Crystal Hall) (9:00 – 9:45)		Plenary Lecture 3 (Crystal Hall) (9:00 – 9:45)	
		Coffee Break (9:45 – 10:00)		Coffee Break (9:45 – 10:00)		Coffee Break (9:45 – 10:00)	
Opening ceremony (Crystal Hall) (10:00 – 10:50)		Parallel Session (Crystal Hall) (10:00-12:15)	Parallel Session (Studio 1) (10:00-12:15)	Parallel Session (Crystal Hall) (10:00-12:15)	Parallel Session (Dynasty Hall) (10:00-12:15)	Parallel Session (Durbar Hall) (10:00-11:05)	
Coffee Break (10:50 – 11:10)						Parallel Session (Dynasty Hall) (10:00-11:05)	
Opening Lecture (Crystal Hall) (11:10 – 12:00)						Closing & Awards (Durbar Hall) (11:20 – 12:00)	
Lunch (12:15 – 13:30)		Lunch (12:15 – 13:30)		Lunch (12:15 – 13:30)		Lunch (12:00 – 13:00)	
Parallel Session (Crystal Hall) (13:30 – 15:35)	Parallel Session (Dynasty Hall) (13:30 – 15:35)	Parallel Session (Crystal Hall) (13:30 – 15:35)	Parallel Session (Studio 1) (13:30 – 15:35)	Parallel Session (Crystal Hall) (13:30 – 15:35)	Parallel Session (Dynasty Hall) (13:30 – 15:35)	Excursion to Bhaktapur Palace (13:00 – 19:30)	
Coffee Break (15:35 – 15:55)		Coffee Break (15:35 – 15:55)		Coffee Break (15:35 – 15:55)			
Parallel Session (Crystal Hall) (15:55 – 18:00)	Parallel Session (Dynasty Hall) (15:55 – 18:00)	Parallel Session (Crystal Hall) (15:55 – 18:00)	Parallel Session (Studio 1) (15:55 – 18:00)	Parallel Session (Crystal Hall) (15:55 – 18:00)	Parallel Session (Dynasty Hall) (15:55 – 18:00)		
Welcome reception (Garden Area) 18:00 – 20:00		Poster Session (With light refreshment) (Crystal Hall) (18:00 – 19:00)		Conference dinner (Hotel Yak & Yeti) (18:00 – 20:00)			

# Detail Program

<b>October 10 (TUE)</b>	
8:30 – 10:00	<b>Registration</b>
<b>10:00 – 10:50</b>	<b>Inaugural Ceremony (Crystal Hall)</b> Chairman: Prof. Raja Ram Pradhananga ( <b>Chair: ICFNN 2017</b> )
10:50 – 11:10	Coffee break
<b>11:10 – 12:00</b>	<b>Opening Lecture (Crystal Hall)</b>  <b>Prof. C.N.R. Rao (JNCASR, India)</b> <b>Photochemical, Thermochemical and Electrochemical Splitting of Water</b>  <div style="text-align: right;"><b>Chair: Prof. Yoshio Bando</b></div>
12:15 – 13:30	Lunch

<b>Afternoon Session (Crystal Hall)</b>	<b>October 10 (TUE)</b>
<b>13:30 – 15:35</b>	<b>Symposium A: Synthesis and Characterization of Nanomaterials</b> <b>Chair: Raja Ram Pradhananga and Rekha Goswami Shrestha</b>
13:30 – 14:05 <b>Keynote Lecture</b>	<b>Toyoko Imae:</b> Architecting of Nanofiber Composite-Based Advanced Systems for CO <sub>2</sub> Removal/Decomposition and Solar Fuel Generation (p. 41)
14:05 – 14:30 <b>Invited Lecture</b>	<b>Somobrata Acharya:</b> Band Offsets and Devices of Single Particle Heterojunction Quantum Dots (p. 88)
14:30 – 14:55 <b>Invited Lecture</b>	<b>Gauthier Rydzek:</b> Surface Functionalization by “Electro-click” with Polymers and Hybrid Films: A Versatile Approach (p. 54)
14:55 – 15:20 <b>Invited Lecture</b>	<b>Atsushi Hozumi:</b> Transparent Anti-fogging Nanocomposite Films (p. 45)
15:20 – 15:35 <b>Oral Presentation</b>	<b>Dipanwita Dutta:</b> Atomic Scale Investigation of Near Interface Defects at the SiC/SiO <sub>2</sub> -Interface: Microscopy, Atom Probe Tomography and Theory (p. 109)
15:35 – 15:55	Coffee break
<b>15:55 – 18:00</b>	<b>Symposium A: Synthesis and Characterization of Nanomaterials</b> <b>Chair: Toyoko Imae &amp; Bhadra P. Pokharel</b>
15:55 – 16:30 <b>Keynote Lecture</b>	<b>DD Sarma:</b> Brighter Side of Semiconductor Nanocrystals: How to Make Defects Useful (p. 30)
16:30 – 16:55 <b>Invited Lecture</b>	<b>Tetsu Yonezawa:</b> Fluorescent Small Gold-Based Nanoclusters by Sputtering Preparation (p. 95)
16:55 – 17:20 <b>Invited Lecture</b>	<b>Thomas A. Jung:</b> 2D Materials For Future Quantum Technologies (p. 96)
17:20 – 17:45 <b>Invited Lecture</b>	<b>Matthieu Petit:</b> Growth Methods, Interface Engineering and Spin Injection: the Mn <sub>5</sub> Ge <sub>3</sub> /Ge(111) Heterostructure (p. 73)
17:45 – 18:00 <b>Oral Presentation</b>	<b>Shanta Pokharel:</b> Chitosan Based Biodegradable Polymer Blends (p. 116)

18:00 – 20:00

**Welcome Reception**

**Afternoon Session (Dynasty Hall)****October 10 (TUE)**

<b>13:30 – 15:35</b>	<b>Symposium B: Materials for Environment &amp; Energy</b> <b>Chair: Yutaka Wakayama &amp; Matthieu Petit</b>
13:30 – 14:05 <b>Keynote Lecture</b>	<b>Naoki Toshima:</b> Thermoelectric Nanomaterial Hybrids for Energy Conversion (p. 35)
14:05 – 14:30 <b>Invited Lecture</b>	<b>Victor Malgras:</b> An alternative Route to Confinement in Lead Halide Perovskite Quantum Dots (p. 98)
14:30 – 14:55 <b>Invited Lecture</b>	<b>Bhim Kafle:</b> Scrutiny of Optical Properties of Home-Made Perovskite Layer for Perovskite Solar Cell (p. 47)
14:55 – 15:20 <b>Invited Lecture</b>	<b>Michael Powell:</b> Enhancing Thermochromic Thin Film Materials through the Application of Multilayered Structures (p. 77)
15:20 – 15:35 <b>Oral Presentation</b>	<b>Chhabilal Regmi:</b> Strategic Modification of BiVO <sub>4</sub> Semiconductor as a Visible Light Responsive Photocatalyst for Environmental Remediation (p. 107)
15:35 – 15:55	Coffee break
<b>15:55 – 18:00</b>	<b>Symposium F: Advancement in Materials Science &amp; Engineering</b> <b>Chair: Tomonobu Nakayama &amp; Tanusri Saha Dasgupta</b>
15:55 – 16:30 <b>Keynote Lecture</b>	<b>Hideomi Koinuma:</b> Integrated Nanomaterial Tip Technology Based on Combinatorial Solid State Chemistry (p. 32)
16:30 – 16:55 <b>Invited Lecture</b>	<b>Koichi Kusakabe:</b> Nanographene with a Hydrogenated Vacancy V <sub>111</sub> : Its Topological Zero Modes and Hydrogen-Storage Applications (p. 70)
16:55 – 17:20 <b>Invited Lecture</b>	<b>Katsunori Wakabayashi:</b> Edge and Topological Effects on Graphene and Related Nanomaterials (p. 62)
17:20 – 17:45 <b>Invited Lecture</b>	<b>Norifusa Satoh:</b> Three Balls in a Yard (p. 79)
17:45 – 18:00 <b>Oral Presentation</b>	<b>Ibrahim Masooma:</b> Self-Assembly of a Giant Tetrahedral Heterometallic Polyoxometalate (p. 113)

**18:00 – 20:00****Welcome Reception**

# October 11 (WED)

9:00 – 9:45	<b>Plenary Lecture (Crystal Hall)</b> <b>Prof. Yoshio Bando (UW, Australia)</b> <b>Boron Nitride Nanotubes/Nanosheets for Energy Applications</b> <p style="text-align: right;">Chair: Prof. Annie K. Powell</p>
9:45 – 10:00	Coffee break

## Morning Session (Crystal Hall) October 11 (WED)

10:00 – 12:15	<b>Symposium B: Materials for Environment &amp; Energy</b> <p style="text-align: right;">Chair: DD Sarma &amp; Naoki Toshima</p>
10:00 – 10:35 <b>Keynote Lecture</b>	<b>Akihiko Kudo:</b> Oxide and Sulfide Materials for Artificial Photosynthesis (p. 28)
10:35 – 11:00 <b>Invited Lecture</b>	<b>Yury V. Kolen'ko:</b> Chemical Control of Nanostructured Catalysts for Efficient Water Electrolysis (p. 101)
11:00 – 11:25 <b>Invited Lecture</b>	<b>Rekha Goswami Shrestha:</b> CO <sub>2</sub> Reduction Over Photocatalysts with Tungsten Bronze Structure Using H <sub>2</sub> O as an Electron Donor (p. 82)
11:25 – 11:50 <b>Invited Lecture</b>	<b>Venkata Krishnan:</b> Highly Efficient Nanostructured Photocatalysts for Energy Generation and Environmental Remediation (p. 97)
11:50 – 12:15 <b>Invited Lecture</b>	<b>Deependra Das Mulmi:</b> Facile synthesis of TiO <sub>2</sub> nanoparticles using lysozyme and their photocatalytic applications (p. 51)
12:15 – 13:30	Lunch

## Morning Session (Studio 1) October 11 (WED)

10:00 – 12:15	<b>Symposium C: Nanobiotechnology, Drug Delivery &amp; Tissue Engineering</b> <p style="text-align: right;">Chair: Akiyoshi Taniguchi &amp; Mike McShane</p>
10:00 – 10:35 <b>Keynote Lecture</b>	<b>Srinivasa R. Raghavan:</b> Nature-Inspired Multi-Compartment and Multi-Layered Capsules (p. 39)
10:35 – 11:00 <b>Invited Lecture</b>	<b>Kentaro Tashiro:</b> Bio-Inspired Nanoarchitectonics of Multi-Metallic Complexes for the Hybridization with Biomolecules (p. 68)
11:00 – 11:25 <b>Invited Lecture</b>	<b>Nikhil R. Jana:</b> Inhibiting Protein Aggregation by Nanoparticle form of Anti-Amyloidogenic Molecule: Nanotechnology Solution for Neurodegenerative Disease (p. 78)
11:25 – 11:50 <b>Invited Lecture</b>	<b>Takaaki Sato:</b> Ion fluctuations, Hydration Phenomena, and Intermembrane Interaction in Cationic Multi-Lamellar Vesicle Dispersions (p. 92)
11:50 – 12:15 <b>Invited Lecture</b>	<b>Qingmin Ji:</b> Networked Silica Nanosheets as “Soft” Support – for Binding Biological Molecules and Nanoparticles (p. 80)
12:15 – 13:30	Lunch

<b>Afternoon Session (Crystal Hall)</b>		<b>October 11 (WED)</b>
<b>13:30 – 15:35</b>	<b>Symposium H: Supramolecular Self-Assemblies</b> Chair: Shigeru Deguchi & Jonathan P. Hill	
13:30 – 14:05 <b>Keynote Lecture</b>	<b>Guy Le Lay:</b> Silicene and Brothers: Advanced Synthetic Elemental 2D Materials (p. 31)	
14:05 – 14:30 <b>Invited Lecture</b>	<b>Takeshi Kawai:</b> Synthesis of Chirality-Controlled Double-Helical Au Nanowires Using Twisted Nanofibers (p. 93)	
14:30 – 14:55 <b>Invited Lecture</b>	<b>Sabita Shrestha:</b> Field Emission From Erbium Decorated Multiwalled Carbon Nanotube (p. 83)	
14:55 – 15:20 <b>Invited Lecture</b>	<b>Kiyoshi Kanie:</b> Self-Organizing Liquid-Crystalline Organic-Inorganic Hybrid Dendrimers with a Monodispersed Functional Nanoparticle-Core (p. 69)	
15:20 – 15:35 <b>Oral Presentation</b>	<b>Kishun Ghalan:</b> Biogenic Silica Nanoparticles from Rice Husk (p. 111)	
15:35 – 15:55	Coffee break	
<b>15:55 – 18:00</b>	<b>Symposium D: Nanoelectronics, Nanophotonics and Nanosystem Design</b> Chair: Thomas A. Jung & Hideomi Koinuma	
15:55 – 16:30 <b>Keynote Lecture</b>	<b>Tomonobu Nakayama:</b> How Can We Let Materials Think? (p. 40)	
16:30 – 16:55 <b>Invited Lecture</b>	<b>Jean-Manuel Raimundo:</b> Synthesis of Novel Heteracyclophanes and Some Applications of Thereof (p. 58)	
16:55 – 17:20 <b>Invited Lecture</b>	<b>Shinsuke Ishihara:</b> Wireless, Wearable Toxic Gas Detector Based on Carbon Nanotube and Supramolecular Polymer (p. 86)	
17:20 – 17:45 <b>Invited Lecture</b>	<b>You-Gui Huang:</b> Intra-Carboxyl Proton Shuttle in a Molecular Rack-and-Pinion Cascade (p. 99)	
17:45 – 18:00 <b>Oral Presentation</b>	<b>Dilip Bhattarari:</b> <i>In vivo</i> Toxicity Study of Zinc Oxide Nanoparticles on Liver of Wistar Rats (p. 108)	

<b>Afternoon Session (Studio 1)</b>		<b>October 11 (WED)</b>
<b>13:30 – 15:35</b>	<b>Symposium C: Nanobiotechnology, Drug Delivery &amp; Tissue Engineering</b> Chair: Srinivasa R. Raghavan & Carlos Rodríguez-Abreu	
13:30 – 14:05 <b>Keynote Lecture</b>	<b>Akiyoshi Taniguchi:</b> Improvement of Hepatocyte Functions by Simplified Recombinant Fibronectin Protein and Nanopatterns (p. 29)	
14:05 – 14:30 <b>Invited Lecture</b>	<b>Kazutami Sakamoto:</b> Total Planarity and Local Curvature generation are the Keys for the Function of Bio membrane (p. 63)	
14:30 – 14:55 <b>Invited Lecture</b>	<b>Hem Raj Pant:</b> Processing of 3-D Nanofibrous Scaffold for Tissue Engineering Application (p. 55)	
14:55 – 15:20 <b>Invited Lecture</b>	<b>Kazutoshi Iijima:</b> Creation of Polymer-Hydroxyapatite Hybrids by Utilizing Proteins and Peptides (p. 65)	
15:20 – 15:35 <b>Oral Presentation</b>	<b>Bhushan Shakya:</b> Synthesis of n(4)-substituted 2-pyridineformamide Thiosemicarbazones as Potent Antiausterity Agent Against Human Pancreatic Cancer (p. 106)	
15:35 – 15:55	Coffee break	
<b>15:55 – 18:00</b>	<b>Symposium J: Molecular Sensing, Nanosensors and Actuators</b> Chair: Somobrata Acharya & Guy Le Lay	
15:55 – 16:30 <b>Keynote Lecture</b>	<b>Mike McShane:</b> Nano-enabled Hydrogels for Continuous Surface-Enhanced Raman Spectroscopy (SERS) Monitoring of Metabolites (p. 34)	
16:30 – 16:55 <b>Invited Lecture</b>	<b>Jan Labuta:</b> Porphyrins as Multi-Responsive Sensors (p. 57)	
16:55 – 17:20 <b>Invited Lecture</b>	<b>Surendra Shrestha:</b> Study on the Surface Plasmon Polariton Enhanced High Throughput NSOM Cantilever (p. 91)	
17:20 – 17:45 <b>Invited Lecture</b>	<b>Jin Kawakita:</b> Moisture Sensor; Detection/Distinction of Micro/Nano Aqua Droplet (p. 59)	
17:45 – 18:00 <b>Oral Presentation</b>	<b>Sahira Joshi:</b> Synthesis and Characterization of Nanoporous Carbon Derived from Betel nut (Areca Catechu) for Adsorption of Fluoride from Water (p. 115)	

**18:00 – 19:00**

**Poster Session (Crystal Hall)**

# October 12 (THU)

9:00 – 9:45	<p><b>Plenary Lecture (Crystal Hall)</b></p> <p><b>Prof. Katsuhiko Ariga (NIMS, Japan)</b>  <b>What are Necessary Tools for Control of Molecular Machine?</b>  <i>nm-size STM Tip or cm-scale Hang Motion</i></p> <p style="text-align: right;">Chair: Prof. Santanu Bhattacharya</p>
9:45 – 10:00	Coffee break

<b>Morning Session (Crystal Hall)</b>		<b>Oct. 12 (THU)</b>
<b>10:00 – 12:15</b>	<p><b>Symposium D: Nanoelectronics, Nanophotonics &amp; Nanosystems Design</b>                      Chair: Takeshi Kawai &amp; Yury V. Kolen'ko</p>	
10:00 – 10:35 <b>Keynote Lecture</b>	<b>Jun Takeya:</b> Materials and Devices of High-Performance Organic Transistors for Printed Circuits (p. 33)	
10:35 – 11:00 <b>Invited Lecture</b>	<b>Satoshi Ishii:</b> Generating Photocurrent and Photo-Induced Heat with Titanium Nitride Nanostructures (p. 84)	
11:00 – 11:25 <b>Invited Lecture</b>	<b>Shu Nakahari:</b> Two-Dimensional Materials for Future Low-Power Consumption Electronics (p. 87)	
11:25 – 11:50 <b>Invited Lecture</b>	<b>Esther Barrena:</b> Disentangling the Structural and Morphological Details of Molecular Semiconductors in Organic field effect transistors (p. 53)	
11:50 – 12:15 <b>Invited Lecture</b>	<b>Yutaka Wakayama:</b> Molecular Electronics for Controlling Electron-Tunneling in Si-Based Devices (p. 102)	
12:15 – 13:30	Lunch	

<b>Morning Session (Dynasty Hall)</b>		<b>Oct. 12 (THU)</b>
<b>10:00 – 12:15</b>	<p><b>Symposium H: Supramolecular Self-Assemblies</b>                      Chair: Chien-Hsiang Chang &amp; Carme González</p>	
10:00 – 10:35 <b>Keynote Lecture</b>	<b>Vincent Conticello:</b> Peptide and Protein Nanomaterials: The Design Challenge (p. 42)	
10:35 – 11:00 <b>Invited Lecture</b>	<b>Ken-ichi Imura:</b> Vertically Grown Structures of Silica Precursor on Monolayer Templates (p. 66)	
11:00 – 11:25 <b>Invited Lecture</b>	<b>Md. Mufazzal Hossain:</b> Interactions of L-arginine with Gibbs Monolayers and Langmuir Monolayers of Amphiphiles at the Air-Water Interface (p. 75)	
11:25 – 11:50 <b>Invited Lecture</b>	<b>Yuji Yamashita:</b> Relationship between Structural Transition and Hydration State of Micelles Formed by Nonionic Surfactants in Aqueous Solution (p. 100)	
11:50 – 12:15 <b>Invited Lecture</b>	<b>Tanusri Saha Dasgupta:</b> Manipulating the Properties of MAXene (p. 94)	
12:15 – 13:30	Lunch	



<b>Afternoon Session (Crystal Hall)</b>		<b>October 12 (THU)</b>
<b>13:30 – 15:35</b>	<b>Symposium I: Soft Condensed Matter</b> Chair: Vincent Conticello & Ken-ichi Iimura	
13:30 – 14:05 <b>Keynote Lecture</b>	<b>Shigeru Deguchi:</b> Nano-Innovation from Deep-Sea Extremobiosphere (p. 38)	
14:05 – 14:30 <b>Invited Lecture</b>	<b>José M. Gutiérrez:</b> Rheology of Water in Water Emulsions (p. 61)	
14:30 – 14:55 <b>Invited Lecture</b>	<b>Kenji Aramaki:</b> Bicelle Formulation Through a Simple Process (p. 67)	
14:55 – 15:20 <b>Invited Lecture</b>	<b>Chien-Hsiang Chang:</b> Vesicular Structure Formation of Mixed Cationic/Anionic Surfactant Systems (p. 50)	
15:20 – 15:35 <b>Oral Presentation</b>	<b>Ananda Kafle:</b> Effects of $\beta$ -Sitoseryl Sulfate on the Phase Behavior and Hydration Properties of Phosphatidylcholines (p. 104)	
15:35 – 15:55	Coffee break	
<b>15:55 – 18:00</b>	<b>Symposium I: Soft Condensed Matter</b> Chair: Kenji Aramaki & Tetsu Yonezawa	
15:55 – 16:30 <b>Keynote Lecture</b>		
16:30 – 16:55 <b>Invited Lecture</b>	<b>Anne Charrier:</b> Lipid Monolayer as Highly Performant Ultra-Thin Dielectric. Application to the Development of Field Effect Transistor Sensor (p. 44)	
16:55 – 17:20 <b>Invited Lecture</b>	<b>Carlos Rodríguez-Abreu:</b> Nano-Droplet Systems by Surfactant Self-Assembly: Principles and some applications (p. 48)	
17:20 – 17:45 <b>Invited Lecture</b>	<b>Carme González Azón:</b> Improvement of Walnut Oil Stability with Alginate-Chitosan Hydrogels (p. 49)	
17:45 – 18:00 <b>Oral Presentation</b>	<b>Suraj Chandra Sharma:</b> Viscoelastic Micellar Solutions in a Mixed Nonionic Fluorinated Surfactant System and the Effect of Oils (p. 117)	

<b>Afternoon Session (Dynasty Hall)</b>		<b>October 12 (THU)</b>
<b>13:30 – 15:35</b>	<b>Symposium H: Supramolecular Self-Assemblies</b> Chair: Kazutami Sakamoto & Md. Mufazzal Hossain	
13:30 – 14:05 <b>Keynote Lecture</b>	<b>Santanu Bhattacharya:</b> Challenges and Promises in Functional Delivery Systems (p. 37)	
14:05 – 14:30 <b>Invited Lecture</b>	<b>Jonathan P. Hill:</b> Pyrazinacenes, Porphyrins and Oxoporphyrinogens (p. 60)	
14:30 – 14:55 <b>Invited Lecture</b>	<b>Subi George:</b> Towards Non-Equilibrium Supramolecular Materials (p. 89)	
14:55 – 15:20 <b>Invited Lecture</b>	<b>Lok K Shrestha:</b> Demonstration of Charge-Free Reverse Micelles in Non-Aqueous Media (p. 72)	
15:20 – 15:35 <b>Oral Presentation</b>	<b>Geraldine Echue:</b> Self-Assembly of Perylene Diimides (p. 110)	
15:35 – 15:55	Coffee break	
<b>15:55 – 18:00</b>	<b>Symposium A: Synthesis and Characterization of Nanomaterials</b> Chair: Jun Takeya & Sharali Malik	
15:55 – 16:30 <b>Keynote Lecture</b>	<b>P. Davide Cozzoli:</b> Colloidal Nanocrystals with Reduced Symmetry (p. 36)	
16:30 – 16:55 <b>Invited Lecture</b>	<b>Enrique Ortega:</b> Exploring Surface Chemistry and Physics Problems with Curved Crystals (p. 52)	
16:55 – 17:20 <b>Invited Lecture</b>	<b>Indra Dasgupta:</b> Electronic Structure of Couple Quantum Dots and Rods: Novel Heterostructures at Nano-Scale (p. 56)	
17:20 – 17:45 <b>Invited Lecture</b>	<b>Bhadra Prasad Pokharel:</b> Ferroelectric Phase Transitions in Lead Based Antiferroelectric Ceramics (p. 46)	
17:45 – 18:00 <b>Oral Presentation</b>	<b>Marek Piotrowski:</b> Synthesis and Evaluation of Transport Properties of Thermoelectric Lead Telluride (PbTe) Nanocrystal Ensembles (p. 112)	

<b>18:00 – 20:00</b>	<b>Conference Dinner</b>
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# October 13 (FRI)

9:00 – 9:45	<p><b>Plenary Lecture (Crystal Hall)</b></p> <p><b>Prof. Annie K. Powell (KIT, Germany)</b>  <b>From Bottom Up: Using Molecule Engineering to Build Nanostructures</b></p> <p style="text-align: right;">Chair: Prof. Katsuhiko Ariga</p>
9:45 – 10:00	Coffee break

<b>Morning Session (Crystal Hall)</b>		<b>October 13 (FRI)</b>
10:00 – 11:05	<p><b>Symposium E: Carbon-Based Nanomaterials</b>                      Chair: P. Davide Cozzoli &amp; Shankar Shrestha</p>	
10:00 – 10:25 <b>Invited Lecture</b>	<p><b>Sharali Malik:</b> Nanocomposites of Graphene for Potential Dental Applications (p. 85)</p>	
10:25 – 10:50 <b>Invited Lecture</b>	<p><b>Ramasamy Jayavel:</b> Graphene-Metal Oxide Based Nanocomposite for Energy and Environmental Applications (p. 81)</p>	
10:50 – 11:05 <b>Oral Presentation</b>	<p><b>Armila Rajbhandari (Nyachhyon):</b> Electrochemical Capacitive Behaviors of Nanoporous Activated Carbon (p. 105)</p>	

<b>Morning Session (Dynasty Hall)</b>		<b>October 13 (FRI)</b>
10:00 – 11:05	<p><b>Symposium J: Molecular Sensing, Nanosensors and Actuators</b>                      Chair: Jin Kawakita &amp; Sabita Shrestha</p>	
10:00 – 10:25 <b>Invited Lecture</b>	<p><b>Sugata Ray:</b> Use of Specific Nanosurfaces for Arsenic Decontamination of Water (p. 90)</p>	
10:25 – 10:50 <b>Invited Lecture</b>	<p><b>Lok K Shrestha:</b> Hierarchically-Structured Fullerene Cubes with Sensing Antenna: Nanoarchitectonics from Zero to Higher Dimensions (p. 71)</p>	
10:50 – 11:05 <b>Oral Presentation</b>	<p><b>Rinita Rajbhandari:</b> Functionalization of Agro-waste derived Functionalized Carbon Material for the Adsorption of Arsenic (III) from Ground Water (p. 114)</p>	

11:20 – 12:00	<p><b>Closing &amp; Award (Crystal Hall)</b></p>
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12:00 – 13:00	Lunch
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13:15 – 19:30	<p><b>Excursion to Bhaktapur Durbar Square (UNESCO World Heritage Site)</b></p>
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