

# Monday

## August 12

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|------------------------------------|---|
| 8:00 AM                            | Registration  |
| 9:00 AM – 9:20 AM                  | Official Opening of Conference  |
| 9:20 AM – 10:00 AM                 | Keynote Lecture I:<br><i>Terahertz Quantum Cascade Lasers: Towards High Performance Operation</i><br><b>Dayan Ban</b><br>University of Waterloo, Canada   |
| 10:00 AM - 10:40 AM                | Keynote Lecture II:<br><i>Functional Nanocoatings</i><br><b>Jas Pal Badyal</b><br>Durham University, United Kingdom   |
| 10:40 AM – 11:00 AM                | Coffee Break  |
| 11:00 AM – 12:20 PM                | Poster Session <sup>i</sup>   |
| <b>11:00 AM – 12:20 PM</b>         |   |
| <b>Session Name: Nanocatalysis</b> | <b>Session Chairs:<br/>Dr. San-Qiang Shi &amp;<br/>Dr. Stephen Ebbens</b>   |
| 11:00 AM – 11:20 AM                | Paper 196: “A First-Principles Comparative Study of the Electronic Structure Properties of Codoped TiO <sub>2</sub> Nanotubes”<br><b>Kenneth Haug*</b> , William C. Isley III<br>*Lafayette College, United States      |
| 11:20 AM – 11:40 AM                | Paper 48: “Visible Light Driven Photocatalytic Activity of Ni and Th Co-Doped ZnO Nanoparticles”<br><b>Ayyadurai Suganthi*</b> , Kumaravel Vignesh,<br><b>Muthuramalingam Rajarajan*</b><br>*Thiagarajar College, India |

Session Chairs:  
Dr. Yaser Dahman

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| 11:40 AM – 12:00 PM  | <p>Paper 49: “Synthesis and Characterization of Doxorubicin Modified TiO<sub>2</sub>/PVA Nanomaterials and its Photodynamic Action”</p> <p><b>Muthuramalingam Rajarajan*</b>, <b>Ayyadurai Suganthi*</b>,<br/>Rajamohan Hariharan<br/>*<b>Thiagarajar College, India</b></p>        |  |  |
| 12:00 PM – 12:20 PM  | <p>Paper 183: “Influence of V<sub>2</sub>O<sub>5</sub> Loading of Vanadia-Titania Materials Prepared by CVC/Impregnation Method on DeNO<sub>x</sub>”</p> <p><b>W.J. Cha*</b>, S.M. Chin, Jongsoo Jurng<br/>*<b>Korea Institute of Science and Technology, Republic of Korea</b></p> |  |  |
| 12:20 PM - 1:20 PM   | Lunch   |  |  |
| <b>1:20 PM – 4:00 PM</b>   |   |  |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 5px;"> <b>Session Name: Nanomaterials, Nanodevices: Fabrication, Characterization and Application I</b> </td> <td style="width: 40%; padding: 5px; text-align: center;"> <b>Session Chairs:<br/>Dr. Jia-An Yan &amp;<br/>Dr. Atsushi Hasegawa</b> </td> </tr> </table> |   | <b>Session Name: Nanomaterials, Nanodevices: Fabrication, Characterization and Application I</b> | <b>Session Chairs:<br/>Dr. Jia-An Yan &amp;<br/>Dr. Atsushi Hasegawa</b> |
| <b>Session Name: Nanomaterials, Nanodevices: Fabrication, Characterization and Application I</b>   | <b>Session Chairs:<br/>Dr. Jia-An Yan &amp;<br/>Dr. Atsushi Hasegawa</b>  |  |  |
| 1:20 PM – 1:40 PM  | <p>Paper 50: “Synthesis and Characterization of Novel Biodegradable Polyurethanes Reinforced with Green Nanofibres for Applications in Tissue Engineering”</p> <p>Hamza M. Nakhoda, <b>Yaser Dahman*</b><br/>*<b>Ryerson University, Canada</b></p>                                 |  |  |
| 1:40 PM – 2:00 PM  | <p>Paper 106: “Production of Green Biocellulose Nanofibres by <i>Gluconacetobacter xylinus</i> from Renewable Resources”</p> <p>Wahib Al-Abdallah, <b>Yaser Dahman*</b><br/>*<b>Ryerson University, Canada</b></p>  |  |  |
| 2:00 PM – 2:20 PM  | <p>Paper 56: “Facile Synthesis of ZnGa<sub>2</sub>O<sub>4</sub> Nanowires: Evaluation of Photocatalytic and Field Emission Properties”</p> <p><b>Li-Chia Tien*</b>, Chih-Cheng Tseng, Yu-Lin Chen<br/>*<b>National Dong Hwa University, Taiwan</b></p>                              |  |  |
| 2:20 PM – 2:40 PM  | <p>Paper 51: “Analysis of Graphene Nanoribbons Passivated with Gold, Copper and Indium”</p> <p><b>Nikolay Delibozov*</b><br/>*<b>Technical University of Sofia, Bulgaria</b></p>  |  |  |

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| 2:40 PM – 3:00 PM  | <p>Paper 189: “Environment Safe Dy-doped Oxyfluoride Nano Glass-Ceramics for Light Emitting Applications”<br/> <b>Ruchika Bagga*</b>, Gopi Sharma, Venu Gopal Achanta, Narinder Pal Singh, Ashutosh Goel, José M. F. Ferreira, Mauro Falconieri<br/> <b>*Kanya Maha Vidyalaya, India</b></p> |  |  |
| 3:00 PM – 3:20 PM  | <p>Paper 84: “Optical Properties of Laser Ablated Copper Oxide Nanoparticles”<br/> <b>Shamsolzaman Faramarzi*</b>, Samareh Rahimian, Simin Majidian, Zahra Ghorbani Davoud Dorrnian<br/> <b>*Islamic Azad University, Iran</b></p>   |  |  |
| 3:20 PM – 3:40 PM  | <p>Paper 97: “Silver Nanocomposites Generated Using Nanosecond Laser Ablation”<br/> <b>Shamsolzaman Faramarzi*</b>, Abbas Ranaya Akhavan, Ramin Shateri, Zahra Ghorbani, Hamid Reza Shirvani Maddavi<br/> <b>*Islamic Azad University, Iran</b></p>  |  |  |
| 3:40 PM – 4:00 PM  | <p>Paper 70: “Co-precipitation in Aqueous Solution Synthesis of Magnetite Nanoparticles Using Iron (III) Salts as Precursors”<br/> <b>Mutasim Khalil*</b><br/> <b>*King Saud University, Saudi Arabia</b></p>  |  |  |
| 4:00 PM – 4:20 PM  | Coffee Break   |  |  |
| <b>4:20 PM – 6:40 PM</b>   |  |  |  |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; background-color: #ADD8E6; text-align: center;"><b>Session Name: Modeling and Simulation</b></td> <td style="width: 40%; background-color: #A9A9A9; text-align: center;"> <b>Session Chairs:<br/> Dr. Kenneth Haug &amp;<br/> Dr. Shamsolzaman Faramarzi</b> </td> </tr> </table> |  | <b>Session Name: Modeling and Simulation</b> | <b>Session Chairs:<br/> Dr. Kenneth Haug &amp;<br/> Dr. Shamsolzaman Faramarzi</b> |
| <b>Session Name: Modeling and Simulation</b>   | <b>Session Chairs:<br/> Dr. Kenneth Haug &amp;<br/> Dr. Shamsolzaman Faramarzi</b>   |  |  |
| 4:20 PM – 4:40 PM  | <p>Paper 37: “The Statistical Analysis of Submicro-and Nano-sized Precipitates in a Single Crystal Super Alloy Using Small Angle X-ray Scattering”<br/> <b>Yi Zheng*</b>, Siyi Huang, Ludan Wang<br/> <b>*Central Iron Steel Research Institute, China</b></p>                               |  |  |
| 4:40 PM – 5:00 PM  | <p>Paper 194: “Controlling the Motion of Nanoscale Catalytic Swimming Devices”<br/> <b>Stephen Ebbens*</b>, Jonathon Howse, Alireza Sadeghi, Gavin Buxton, Alexander Alexeev<br/> <b>*University of Sheffield, United Kingdom</b></p>  |  |  |

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| 5:00 PM – 5:20 PM | <p>Paper 111: “Improved Alignment of Gold Nanorods Embedded in Polymer Films”<br/> <b>Stefan Stoescu*</b>, Muthukumaran Packirisamy,<br/> Vo-Van Truong<br/> <b>*Concordia University, Canada</b></p>                    |
| 5:20 PM – 5:40 PM | <p>Paper 197: “Multi Angle Ellipsometric Analysis of Nano-Silica Films”<br/> <b>Maarij Syed*</b>, Adam Nolte, Marissa Artmayer, Theodosius Famrikis<br/> <b>*Rose-Hulman Institute of Technology, United States</b></p>  |
| 5:40 PM – 6:00 PM | <p>Paper 95: “Structural Transition of FCC and BCC Spherical Metallic Nanocrystals”<br/> <b>Esam H. Abdul-Hafidh*</b><br/> <b>*Yanbu University College, Saudi Arabia</b></p>  |
| 6:00 PM – 6:20 PM | <p>Paper 205: “Phonon Renormalization in Single-layer and Bilayer Graphene at Ultrahigh Dopings”<br/> <b>Jia-An Yan*</b><br/> <b>*Towson University, United States</b></p>   |
| 6:20 PM – 6:40 PM | <p>Paper 170: “Velocity Analysis of the Axial Oscillation of Water Chain in a (6, 6) Single-walled Carbon Nanotube”<br/> <b>San-Qiang Shi*</b>, Youdi Kuang<br/> <b>*Hong Kong Polytechnic University, Hong Kong</b></p> |

*i) Please refer to the end of this schedule for the posters' information*

# Tuesday

## August 13

|   |   |
|---|---|
| 9:00 AM – 9:40 AM   | Keynote Lecture III:<br><i>Nanotechnology: Exploring Practical Solutions in Agriculture, Food and Biological Systems</i><br><b>Suresh Neethirajan</b><br>University of Guelph, Canada   |
| 9:40 AM – 10:20 AM  | Keynote Lecture IV:<br><i>Multifunctional Pharmaceutical Nanocarriers: Promises and Challenges</i><br><b>Vladimir P. Torchilin</b><br>Northeastern University, United States  |
| 10:20 AM – 10:40 AM   | Coffee Break  |
| <b>10:40 AM – 12:20 PM</b>  |   |
| <b>Session Number 1</b><br>Session Name: Nanotechnology & Environment | Session Chairs:<br><b>Dr. Andrew Campbell &amp; Dr. Arzu Sardarli</b>   |
| 10:40 AM – 11:00 AM   | Paper 218: “Prospects for Enhanced Nucleic Acid Based Environmental Biodiagnostics with Nanoscale Particle Additives”<br><b>A.J. Anceno*</b> , R.M. Stuetz, P. Dabert, O.V. Shipin, J. Dutta<br><b>*The University of New South Wales, Australia</b>                                |
| 11:00 AM – 11:20 AM   | Paper 87: “Comparative Study on the Antibacterial Activity of Zinc Oxide Nanoparticles and Antibiotics against Waterborne Bacteria”<br>Saba Imdad, Muhammad Fayyaz Chaudhary,<br><b>Noor Mohammad Butt*</b><br><b>*Preston Institute of Nano Science &amp; Technology, Pakistan</b> |

Session Chairs:  
Dr. Andriy Voronov

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| 11:20 AM – 11:40 AM  | <p>Paper 109: “Coating of a Ca(OH)<sub>2</sub> Shell Layer on Nanoscale Zero-Valent Iron (Nzvi) for Improvement of its Transport in Porous Media”</p> <p><b>Cai-jie Wei*</b>, Xiao-yan Li<br/> <b>*The University of Hong Kong</b></p> |
| 11:40 AM – 12:00 PM  | <p>Paper 171: “Nano Polymer Coating of IGF-I and its Bypassing Through GIT of Sheep”</p> <p>Shiva Olya, <b>Hamidreza Rahmani*</b>, Mohammad Khorvash, Vida Rahmani<br/> <b>*Isfahan University of Technology, Iran</b></p>             |
| 12:00 PM – 12:20 PM  | <p>Paper 80: “Optimization of Nanoparticle Delivery to Subsurface Contaminated Zone”</p> <p><b>Sara Mehrabi*</b>, Wiliam Milne-Home<br/> <b>*University of Technology, Australia</b></p>   |
| <p><b>Session Number 2</b><br/> <b>Symposium on Nanotechnology in Anticancer Research I</b></p>                        |  |
| <p style="text-align: right;"><b>Session Chairs:</b><br/> <b>Dr. Yoon Yeo &amp;</b><br/> <b>Dr. Andriy Voronov</b></p> |  |
| 10:40 AM – 11:05 AM  | <p>Paper 235: “Stimuli-Responsive Nanocarriers in Cancer Treatment”</p> <p><b>Natalya Rapoport*</b><br/> <b>*University of Utah, United States</b></p>   |
| 11:05 AM – 11:30 AM  | <p>Paper 225: “Biological Nanotherapeutics for Cancer Therapy”</p> <p>Justin R. Hubenak, Qixu Zhang, Geoffrey L. Robb,<br/> <b>Anshu B. Mathur*</b><br/> <b>*The University of Texas, United States</b></p>                            |
| 11:30 AM – 11:55 AM  | <p>Paper 226: “Bringing Nanomedicines Insides Cells to Treat Cancer”</p> <p><b>Vladimir Torchilin*</b><br/> <b>*Northeastern University, United States</b></p>   |
| 11:55 AM – 12:20 PM  | <p>Paper 227: “Targeted Nanocarries for Vascular Drug Delivery”</p> <p><b>Vladimir Muzykantov*</b><br/> <b>*University of Pennsylvania, United States</b></p>  |
| 12:20 PM – 1:20 PM   | Lunch  |

**1:20 PM – 3:40 PM**

**Session Number 1**  
**Session Name: Nanomaterials, Nanodevices: Fabrication, Characterization and Application II**

**Session Chairs:**  
**Dr. Alfredo Anceno & Dr. Joongsoo Jurng**

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|-------------------|--|
| 1:20 PM – 1:40 PM | Paper 210: “Gravitaxis in Catalytic Janus Sphere Swimming Devices”<br><b>Andrew I. Campbell*</b> , <b>Stephen J. Ebbens*</b><br><b>*The University of Sheffield, United Kingdom</b>  |
| 1:40 PM – 2:00 PM | Paper 212: “A Review of Research on Contact Resistance of Carbon Nanotubes”<br><b>Libao An*</b> , Xiaoxia Yang, Xiaolei Dong, Chunrui Chang<br><b>*Hebei United University, China</b>  |
| 2:00 PM – 2:20 PM | Paper 211: “Genipin Cross-Linked Electrospun Core-Shell Nanofibrous Scaffolds for Tissue Regeneration and Drug Delivery Applications”<br><b>Ying Li*</b> , Jian Liu, Wankey Wan<br><b>*Western University, Canada</b>  |
| 2:20 PM – 2:40 PM | Paper 38: “Vibration Investigation of Cylindrical Shell Reinforced by Carbon Nanotubes on an Elastic Foundation”<br>Mohammad Mahdi Najafizadeh, Saeede Mirmahdian,<br><b>Mohammad Hossein Sabour*</b> , Mojtaba Tahani<br><b>*Islamic Azad University, Iran</b>  |
| 2:40 PM – 3:00 PM | Paper 46: “Photo-Induced Spontaneous Coiling and Bending of Molecular-Crystal Nanowires, Microrods and Micro-Multipods”<br><b>Rabih O. Al-Kaysi*</b> , Salem D. Al-Suwaidan, Christopher J. Bardeen, Taehyung Kim, Muhanna K. Al-Muhanna<br><b>*King Saud bin Abdulaziz University for Health Sciences, Saudi Arabia</b> |
| 3:00 PM – 3:20PM  | Paper 200: “In-Situ Green Synthesis of Reduced Graphene Nanosheets Using Medicinal Mushroom”<br>Kasturi Muthoosamy, Renu Geetha Bai, Surya Mudavasseril Sudheer, Lim HN, Huang NM, <b>Sivakumar Manickam*</b><br><b>*University of Nottingham, Malaysia</b>  |

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| 3:20 PM – 3:40 PM  | <p>Paper 198: “Application Prospective of A<sup>3</sup>B<sup>3</sup>C<sup>6</sup><sub>2</sub> Type Semiconductors in Developing Nano-size Electronic Devices”<br/> Arif Pashaev, Arif Badalov, Rauf Sardarly, Oktay Samedov, Nurana Alieva, Rayhia Agayeva, Aygun Orujova, <b>Arzu Sardarli*</b><br/> <b>*First Nations University of Canada, Canada</b></p> |
| <p><b>Session Number 2</b><br/> <b>Symposium on Nanotechnology in Anticancer Research II</b></p> |  |
| <p><b>Session Chairs:</b><br/> <b>Dr. Natalya Rapoport &amp; Dr. Andriy Voronov</b></p>          |  |
| 1:20 PM – 1:45 PM  | <p>Paper 232: “Surface Modification of Nanoparticles for Conditional Activation”<br/> <b>Yoon Yeo*</b><br/> <b>*Purdue University, United States</b></p>   |
| 1:45 PM – 2:10 PM  | <p>Paper 234: “Environmentally-Driven Delivery of Poorly Water-Soluble Drugs Using Polymeric Micellar Self-Assemblies”<br/> Olena Kudina, Ivan Hevus, <b>Andriy Voronov*</b><br/> <b>*North Dakota State University, United States</b></p>   |
| 2:10 PM – 2:35 PM  | <p>Paper 228: “Nanoplatforms for Cancer Targeting and Imaging: a Quest for the Best”<br/> <b>Weibo Cai*</b><br/> <b>*University of Wisconsin, United States</b></p>  |
| 2:35 PM – 3:00 PM  | <p>Paper 231: “Biophysical Approach to Design Stimuli-Responsive Self-assemblies as Cancer Theranostics”<br/> <b>Geoffrey Bothun*</b><br/> <b>*The University of Rhode Island, United States</b></p>   |
| 3:00 PM – 3:25 PM  | <p>Paper 230: “Rational Design of Telodendrimer Nanocarriers for Anticancer Drug Delivery”<br/> <b>Juntao Luo*</b>, Changying Shi, Wenzhe Huang, Kai Xiao, Kit S. Lam<br/> <b>*State University of New York, United States</b></p>   |
| 3:40 PM – 4:00 PM  | Coffee Break   |



**4:00 PM – 5:40 PM****Session Number 1**  
**Session Name: Nanotechnology & Coating****Session Chairs:**  
**Dr. Leonid Gorelik &**  
**Dr. Dessi Koleva**

4:00 PM – 4:20 PM

Paper 75: “Density Functional Theory Study of Alkanethiolate Self-Assembled Monolayer on Gold Nanorod”

**Hang Hu\***, Alejandro Roy, Linda Reven**\*McGill University, Canada**

4:20 PM – 4:40 PM

Paper 59: “Nano-Composition Zinc Coatings: Application of Polymeric Core-Shell Particles and “Green Passivation” for Increased Corrosion Resistance”

**D. A. Koleva\***, N. Boshkov, P. Taheri, J.M.C. Mol**\*Delft University of Technology, Netherlands**

4:40 PM – 5:00 PM

Paper 195: “Osteoconductive Multilayer Ultrathin Film Coatings by Layer-By-Layer Self-assembly Adsorption of Collagen I And Hyaluronic Acid”

**Massimo Giulianelli\***, Roberta Ferretti, Laura Pastorino, Carmelina Ruggiero**\*University of Genova, Italy**

5:00 PM – 5:20 PM

Paper 179: “Nanopigmented Coating for Functional Paper Applications: Effects of Encapsulation and Thermal Release of Vegetable Oils”

**Pieter Samyn\*****\*Albert-Ludwigs University Freiburg, Germany****Session Number 2**  
**Symposium on Nanotechnology in Anticancer Research III****Session Chairs:**  
**Dr. Geoffrey Bothun &**  
**Dr. Andriy Voronov**

4:00 PM – 4:25 PM

Paper 236: “Enhanced Cancer Therapeutic Effects Using Targeted Nanoparticles”

**B. Devika Chithrani\*****\*Ryerson University, Canada**

4:25 PM – 4:50 PM

Paper 229: “The Anti-cancer Treatment of Tradition Medicines with Nano or Without”

**Yi Zheng\*****\*Central Iron Steel Research Institute, China**

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| 4:50 PM – 5:15 PM | Paper 69: "Cancer Cell Uptake of Polymer Hydrogel Nanotubes"<br>Jing Wang, <b>Lixin Liu*</b> , Wen Zhu, Yongming Chen<br><b>*University of Chinese Academy of Sciences, China</b>                     |
| 5:15 PM – 5:40 PM | Paper 104: "Gelsolin and FLIP Interaction Modulates Cisplatin Sensitivity in Ovarian Cancer Cells"<br><b>Mohammad Abedini*</b> , Benjamin Tsang<br><b>*Ottawa Hospital Research Institute, Canada</b> |

# Wednesday

August 14

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|--|--|
| 9:00 AM – 9:40 AM                        | Keynote Lecture V:<br><i>Squeezing Out Analytes From Nanoporous Substrates Using Light: A Coherent View Of Surface Assisted Laser Desorption Ionization</i><br><b>Robert H. Lipson</b><br>University of Victoria, Canada |
| 9:40 AM – 10:20 AM                       | Keynote Lecture VI:<br><i>Prospects and Limitations for Nanowire Optoelectronics</i><br><b>Harry E. Ruda</b><br>University of Toronto, Canada  |
| 10:20 AM – 11:00 AM                      | Keynote Lecture VII:<br><i>An Easy Fabrication for Stable Superhydrophobic Surface Coatings</i><br><b>Yu Qi</b><br>Xerox Research Centre of Canada, Canada   |
| 11:00 AM – 11:20 AM                      | Coffee Break   |
| <b>11:20 AM - 1:20 PM</b>                |  |
| <b>Session Name: Nanobiotechnologies</b> | <b>Session Chairs:<br/>Dr. Marinelle Ringer &amp;<br/>Dr. Ralf Greiner</b>   |
| 11:20 AM – 11:40 AM                      | Paper 206: “Size-tunable Optothermal Effects of Gold”<br>Ke Jiang, <b>Anatoliy Punchuk*</b><br>*University of Colorado at Colorado Springs, United States  |

Session Chairs:  
Dr. Vladimir P. Torchilin & Dr. Jules Thibault

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| 11:40 AM – 12:00 PM | Paper 190: “Production of Biocellulose Nanofibres Using Sugar Mixtures of Different Composition in the Feedstock”<br>Magdalena Kalis, Kithsiri E. Jayasuriya, <b>Yaser Dahman*</b><br><b>*Ryerson University, Canada</b>   |
| 12:00 PM – 12:20 PM | Paper 100: “Fabrication of Vertically Aligned ZnO Nanowires and Nanowaveguides”<br>Kimberly Singh, Spencer Mamer, Mary Grace Velasco, Victor Garcia, Guangyue He, Nabila Hossain, Mostafa Sadoqi, <b>Huizhong Xu*</b><br><b>*St. John’s University, United States</b>  |
| 12:20 PM – 12:40 PM | Paper 85: “Production of Green Biocellulose Nanofibres by Gluconacetobacter xylinus from Renewable Resources”<br>Wahib Al-Abdalah, <b>Yaser Dahman*</b><br><b>*Ryerson University, Canada</b>  |
| 12:40 PM – 1:00 PM  | Paper 185: “Hybrid Nanostructured Microcapsules for Enzymes Recovery and Reuse in Biomass Hydrolysis”<br>Olena Kudina, <b>Andriy Voronov*</b> , Ashani Samaratunga, Nurun Nahar, Scott Pryor, Andrey Zakharchenko, Sergiy Minko<br><b>*North Dakota State University, United States</b>  |
| 1:00 PM – 1:20 PM   | Paper 53: “Nanomedicine for Infectious Diseases: Application of Quantum Dots Encapsulated in Immunoliposomes to the Study of Targeted Drug Delivery against Leishmaniasis and Malaria”<br>Alba Pujol, Cristina Riera, Roser Fisa, Israel Molina, Fernando Salvador, Joan Estelrich, <b>Patricia Urbán*</b> , Xavier Fernàndez-Busquets<br><b>*Institute for Bioengineering of Catalonia, Spain</b> |
| 1:20 PM – 2:20 PM   | Lunch  |

## 2:20 PM – 4:20 PM

**Session Name: Nanotechnology & Polymer**

**Session Chairs:  
Dr. Huizhong Xu &  
Dr. Mutasim Khalil**

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|-------------------|--|
| 2:20 PM – 2:40 PM | Paper 107: “Production of Novel Biomaterials by Simultaneous Scarification Fermentation of Agricultural Resides”<br>Wahib Al-Abdallah, <b>Yaser Dahman*</b><br><b>*Ryerson University, Canada</b>  |
| 2:40 PM – 3:00 PM | Paper 55: “Food Storage and Migration Studies with Nanosilver-containing Commercial and Non-Commercial Food Packaging Materials”<br>Birgit Hetzer, <b>Ralf Greiner*</b> , Carsten Meyer<br><b>*Max Rubner-Institut, Germany</b>  |
| 3:00 PM – 3:20 PM | Paper 76: “Synthesis of Nanographite/Polyaniline Composites Using a Reactive Surfactant as Polyaniline Precursor”<br>Flor Rentería, Alejandro Vega, <b>Claudia Hernández*</b> , <b>Armando Zaragoza*</b><br><b>* Universidad Autónoma de Ciudad Juárez, Mexico</b>                   |
| 3:20 PM – 3:40 PM | Paper 77: “Electroactivity in Nanographite/Polyaniline Composites Using Anilinium Dodecylbenzenesulfonate as Polyaniline Precursor”<br>Flor Rentería, Alejandro Vega, <b>Claudia Hernández*</b> , <b>Armando Zaragoza*</b><br><b>* Universidad Autónoma de Ciudad Juárez, Mexico</b> |
| 3:40 PM – 4:00 PM | Paper 176: “Physical-mechanical Characteristics and Storage Stability Factor of Bitumen/Nano-clay/EVA/Sulfur Nano-composite”<br><b>Ahmad Ramazani S.A*</b> , Mohammad Hosseini, Mohammad Reza Azimi, Mohammad Ghaneh<br><b>*Sharif University of Technology, Iran</b>                |
| 4:00 PM – 4:20 PM | Paper 167: “Preparation and Characterization of EVA/Chitosan/Graphene Oxide Nanocomposite Bilayer Films for Food Packaging”<br>Hossein Baniasadi, <b>Ahmad Ramazani S.A.*</b> , Meysam Tayebi, Marziya Ramezani F.<br><b>*Sharif University of Technology, Iran</b>                  |
| 4:20 PM – 4:40 PM | Coffee Break   |

**4:40 PM – 6:00 PM**

**Session Name: Miscellaneous**

**Session Chairs:  
Dr. Yaser Dahman &  
Dr. Noor M. Butt**

4:40 PM – 5:00 PM

Paper 66: “Toward an Integrated K-12 Science Curriculum Using Nanotechnology: A Note of Hope in the State of the Union”

**Marinelle Ringer\***

**\*University of Arkansas at Little Rock, United States**

5:00 PM – 5:20 PM

Paper 209: “Fabrication of Nanofibre Scaffold in a Controlled Environment for Tissue Engineering”

**Nisha Sharma\***, Derek Boughner, Wankei Wan

**\*Western University, Canada**

5:20 PM – 5:40 PM

Paper 47: “Smart Polymer Flooding Process with Nanoscale Core-Shell Structure”

Yousef Tamsilian, **Ahmad Ramazani S.A.\***

**\*Sharif University of Technology, Iran**

5:40 PM – 6:00 PM

Paper 208: “Characteristics of Nanocrystalline ZnO Films Fabricated by In Situ Sonochemical Sol Gel”

**Esam AlArfaj\***

**\*Umm AlQura University, Saudi Arabia**

# Poster Session

August 12

11:00 AM – 12:20 PM

Paper 73: “Reflection and Photovoltaic Properties of Silicon Nanopillars Based Solar Cells by Cesium Chloride Self-assembly and Dry Etching”

**Ling Liu\***, Xinshuai Zhang, Futing Yi

\***University of Chinese Academy of Sciences, China**

Paper 188: “Selective Catalyst Reduction of NO<sub>x</sub> by NH<sub>3</sub> at Low Temperature Windows in Presence/Absence of O<sub>2</sub> Over Several of 5 wt% V<sub>2</sub>O<sub>5</sub>/TiO<sub>2</sub>”

**W. J. Cha\***, S.M. Chin, Hoang Anh Le, Eunseuk Park, Jongsoo Jurng

\***Korea Institute of Science and Technology, Republic of Korea**

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**Lee-May Huang\***, Chih-Wei Hu, Geng-Hang Jian, Kuo-Chuan Ho

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José T. Elizalde, Rurik Farias, Liliana Lopez, Enrique Viguera, **Claudia Hernández\***, Sergio Flores, **Armando Zaragoza\***

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Paper 219: "Dynamic Content Addressable Memory Cells Based on Carbon Nanotube Transistors (CNTFETs)"

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