| Day 1 : March 18, 2019 | |
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| 9:00-9:30 | Registrations |
| 9:30-9:45 | Opening Ceremony |
| 9:45-10:00 | Introduction by Moderator |
| Keynote Forum | |
| 10:00-10:45 | Tittle: A Gauge transformation theory for metamaterials |
| | Woon Siong Gan, Acoustical Technologies Singapore Pte Ltd, Singapore |
| | Woon Siong Gan obtained his PhD at the age of 24.He obtained BSc in physics in 1965,DIC in acoustics & vibration science in May 1967 and PhD in acoustics in Feb 1969, all from the Imperial College London. |
| Networking and Refreshment (10:45-11.05) | |
| 11:05-11:50 | Title: Development of monoamide resins for selective recovery of uranium(VI) from nitric acid media |
| | Masanobu Nogami, Professor, Kindai University, Japan |
| | Masanobu Nogami received his PhD in engineering from Tokyo Institute of Technology in 1996. After working at the Nuclear Chemical Engineering Center of Institute of Research and Innovation, Japan, and Tokyo Institute of Technology, he was adopted as an associated professor at Kindai University in 2010 and promoted to a professor in 2016. His research interests are in chemical separation related to nuclear fuel cycle, especially adsorption, extraction and precipitation for actinide elements and various rare metals. |
| 11:50-12:35 | Title: Novel adsorption materials for the recovery of noble metal fission products from spent nuclear fuels |
| | Yuezhou Wei , Professor, Guangxi University, China |
| | Wei YZ has completed his PhD in Metallurgical Engineering at the age of 27 years from Tohoku University, Japan. Currently, he is the Dean of School of Resources, Environment and Materials, Guangxi University, China. He has published more than 240 papers in reputed journals and has been serving as an editorial board member of Journal of Nuclear Science and Technology, Nuclear Science and Techniques, Ion Exchange Letters, etc |
| 12:35-13.15 | Title: Actinide analysis by ICP-MS/MS and actinide separation |
| | Tatsuya Suzuki, Professor, Nagaoka University of Technology, Japan |
| | Tatsuya Suzuki has received his PhD in nuclear engineering from Tokyo Institute of Technology (Japan) in 1995. He was invited as a full professor at the Department of Nuclear System Safety Engineering of Nagaoka University of Technology in 2012. Currently, he is a professor and deputy head of the Department of Nuclear System Safety Engineering, and chief of Radio Isotope Center at Nagaoka University of Technology, Japan. His research fields also cover the plasma chemistry and the electromagnetic separation. He has published more than 100 papers in reputed journals. |
| Lunch Break 13.15-14.15 | |
| 14:15-15:00 | Title: On the structure and properties of siliceous materials |
| | Alexander M. Korsunsky, Professor, University of Oxford, UK |
| | Alexander M. Korsunsky is a world-leader in engineering microscopy of materials for optimisation of design, durability and performance. He leads the MBLEM lab (Multi-Beam Laboratory for Engineering Microscopy) at Oxford, and the Centre for In situ Processing Science (CIPS) at the Research Complex, Harwell. He consults Rolls-Royce plc on matters of residual stress and structural integrity, and is Editor-in-Chief of Materials & Design, a major Elsevier journal (2017 impact factor 4.525). |
| ORAL SESSION I | |
| Material Characterization \|Material Chemistry and Development \|Energy Materials | |
| 15:00-15:45 | Title: Effects of Hot-rolling on Microstructure and Electrochemical Discharge Behavior of Mg-6Al Alloy as Anode for Mg-air Battery |

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| | Guangxin Wang, Henan University of Science and Technology, China |
| | Guangxin Wang has received his PhD in Materials Science from University of Bremen, Germany in 1990. Currently, he is the director of Reserch Center for High Purity Materials, Henan University of Science and Technology, China. His research fields cover high purity materials, metal-air batteries, nano particles, thin films and coatings etc. He has published over 80 papers in reputed journasls. |
| 15.45-16.30 | Title: A novel pH-responsive material containing residues of glycine and maleic acid as a super adsorbent for the fast removal of dyes and toxic metal ions |
| | Ali Shaikh Asrof, King Fahd University of Petroleum & Minerals, Saudi Arabia |
| | Ali Shaikh Asrof has completed his PhD from State University of New York at Buffalo and Postdoctoral Studies from Massachusetts Institute, of Technology, USA. He is a Distinguished Professor in the Chemistry Department at King Fahd University of Petroleum & Minerals, Saudi Arabia. He has published more than 220 papers in reputed journals and has been serving as a subject editor in ISI listed Arabian Journal of Science and Engineering. |
| Networking and Refreshment (16:30-16:45) | |
| *Session Adjournment* | |
| Day 2 : March 19, 2019 | |
| Keynote Forum | |
| 9:45-10:00 | Introduction by Moderator |
| 10:00-10:45 | Title: Replacing candles with candlelight OLED |
| | Jwo-Huei Jou, Professor, National Tsing Hua University, Taiwan |
| | Jwo-Huei Jou (Joe) received his Master and Ph.D. degrees from the University of Michigan, Ann Arbor, Michigan, in 1985 and 1986, respectively. He worked as a Post-doctoral Visiting Scientist at IBM-Almaden Research Center, San Jose, California, from 1986 to 1988. Now, he is a full professor in the Department of Materials Science and Engineering, NTHU, while chairing the department from 2006 to 2009. He has been granted 85 patents, published 175 journal papers and given more than 50 invited lectures. |
| Networking and Refreshment (10:45-11:05) | |
| 11:05-11:50 | Title: 50th Anniversary of the transport theory in condensed matter physics |
| | Woon Siong Gan,Director of Acoustical Technologies Singapore Pte Ltd, Singapore |
| | Woon Siong Gan obtained his PhD at the age of 24.He obtained BSc in physics in 1965,DIC in acoustics & vibration science in May 1967 and PhD in acoustics in Feb 1969, all from the Imperial College London. |
| 11:50-12:35 | Title: Characterizing silicon/platinum-based catalytic motors with near ambient pressure photoemission |
| | Jordi Fraxedas, Professor, Catalan Institute of Nanoscience and Nanotechnology, Spain |
| | Jordi Fraxedas obtained his PhD from the University Stuttgart (Germany) and held a postdoctoral position at the European Synchrotron Radiation Facility (Grenoble, France) and a researcher position at the European Laboratory for Particle Physics (Geneva, Switzerland). His research activity is focused on interfacial phenomena and surface science. He has published the books Molecular Organic Materials: From Molecules to Crystalline Solids (Cambridge University Press, 2006), Water at Interfaces: A Molecular Approach (Taylor and Francis CRC, 2014) and Molecular Materials: Preparation, Characterization, and Applications (Taylor and Francis/CRC 2017). |
| 12.35-13.15 | Title: Biogenic minerals for removal of contaminants |
| | Toshihiko Ohnuki, Professor, Tokyo Institute of Technology, Japan |
| | Toshihiko Ohnuki was conferred his PhD from Kyoto University and started research carrier at Japan Atomic Energy Research Institute. He moved to Tokyo Institute of Technology in 2016 as Professor. He has published more than 150 papers in reputed journals and has been serving as an Associate Editors-in-Chief of Journal Nuclear Science and Technology. |
| Lunch Break (13.15-14.15) | |
| 14:15-15:00 | Title: Development of Simultaneous Recovery System of PGMs and Mo from High - level Radioactive Liquid Waste |

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| | Takeshita, Professor, Tokyo Institute of Technology, Japan |
| | Kenji Takeshita got a doctor of engineering from Tokyo Institute of Technology in 1986. His research fields are Nuclear Fuel Reprocessing, Partitioning and Transmutation of Nuclear Wastes and Nuclear Waste Management. Currently, he is the director (professor) of Laboratory for Advanced Nuclear Energy (LANE), Tokyo Institute of Technology. |
| ORAL SESSION II | |
| Material Chemistry and Development \|Material Characterization \|Energy Materials | |
| 15:00-15:35 | Title: Mutual separation of trivalent lanthanides in nitric acid solution by a novel hydrophobic ionic liquid including N,N,Nâ€™,Nâ€™-tetrakis(2-pyridylmethyl)-1,3-diaminopropane-2-amido structure: A soft N and hard O donor combined strategy |
| | Hao Wu, Tokyo Institute of Technology, Japan |
| | Wu H will complete his doctoral course in September, 2019, in the department of nuclear engineering from Tokyo Institute of Technology, Japan. Currently, his research work mainly focuses on the mutual separation of rare earth metals by using ionic liquids, and this research is financed by Japan Society for the Promotion of Science (JSPS-DC2). He has published several papers in reputed journals such as Dalton Trans., Chem Lett. etc. |
| 15:35-16:05 | Title: Liquid crystals nanoscience in golden oppurtinities for novel switching |
| | Kaushik Pal,Bharath University, India |
| | Kaushik Pal was born in India. He received his Ph.D. from University of Kalyani, Nadia, (India). Most significant prestigious awards “Marie-Curie Experienced Researcher (Postdoctoral Fellowship)” offered by the European Commission at Aristotle University of Thessaloniki, Greece and “Brain Korea National Research Foundation Visiting Scientist Fellowship” at CNU, South Korea, achieved in his career. He was appointed “Senior Postdoctoral Fellow” at Wuhan University in China and after he obtained the most prestigious position “Scientist & Faculty CAS Fellow” by Chinese Academy of Science. |
| 16:05-16:40 | Title: Synthesis and characterization of Ag-Fe3O4 nanoparticles and evaluation of their photo catalytic activity |
| | Muhammad Saeed,Government College University Faisalabad, Pakistan |
| | Muhammad Saeed has completed his PhD in 2011 from National Center of Excellence in Physical Chemistry, University of Peshawar Pakistan. Presently he is working as Assistant Professor at Department of Chemistry, Government College University Faisalabad Pakistan since 2013. He has published 40 papers in reputed journals and has been serving as an editorial board member of repute. |
| POSTER PRESENTATION | |
| NM 01 | Title: TBA |
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| NM 10 | Title: TBA |
| | TBA |
| Networking and Refreshment (16.55- 17.10) | |
| Award Ceremony & Closing Ceremony | |