Sunday, January 13th (Afternoon)

Location: Outside Room 204 (Amphitheatre)

Time	Title	Speaker	Affiliation
Early Registration			
4:00 - 6:00 pm	**Register and Collect Conference Documents**		

Monday, January 14th (Morning)

Location: Outside Room 204 (Amphitheatre) & Tejas Dining Room

Time	Title	Speaker	Affiliation
Registration			
7:00 - 8:00 am	**Register and Collect Conference Documents**		
7:00 - 8:00 am	**Breakfast (Tejas Dining Room)**		

Location: Room 204 (Amphitheatre)

Time	Title	Speaker	Affiliation
Opening Ceremony			
8:00 - 8:15 am	ISHA 2013 Introduction and Welcome Remarks	Brian Korgel / K. Byrappa	University of Texas at Austin / Mysore University
8:15 - 9:00 am	**Plenary:** Multi-energy Solvothermal Processing: Retrospect and Prospect	Sridhar Komarneni	Penn State University
9:00 - 9:30 am	**Break**		

Location: Room 204 (Amphitheatre)

Time	Title	Speaker	Affiliation
Session 1 – Materials: Lithium Ion Battery Synthesis (Chair: Justin Holmes, University College Cork)			
9:30 - 10:00 am	**1-1:** Microwave-assisted Solvothermal Synthesis of Nanostructured Materials for Lithium-ion Batteries	Arumugam Manthiram	University of Texas at Austin
10:00 - 10:30 am	**1-2:** Architectural Control of Nanostructured TiO_2(B) and Morphological Dependent Lithiation Behavior	Keith Stevenson	University of Texas at Austin
10:30 - 11:00 am	**1-3:** Supercritical solvothermal synthesis of oxide nanostructures in water/alcohol mixtures	Cyril Aymonier	University of Bordeaux
11:00 - 11:15 am	**1-4:** Solution-Grown Si and Ge Nanowires as High Capacity Anodes for Lithium-Ion Batteries	Timothy Bogart	University of Texas at Austin

11:15 - 11:30 am	**1-5:** Direct growth of silicon and germanium nanowires on metal foils: opportunities and challenges for high-throughput processing	Benjamin Richards	Cornell University
11:30 – noon	**1-6:** Tailor-Made Ceramic Nanocrystals by Organic-Ligand-Assisted Hydrothermal Synthesis	Satoshi Ohara	Osaka University

Location: Room 101

Time	Title	Speaker	Affiliation
Session 2 – Materials: Nanomaterials (Chair: Jim Watkins, University of Massachusetts)			
9:30 - 10:00 am	**2-1:** Fabrication and Application of Inorganic Nanoparticle Superstructures	Zhiyong Tang	National Center for Nanoscience and Technology
10:00 - 10:30 am	**2-2:** Solvothermal Synthesis of Monodisperse Nanocrystals and their Surface	Xun Wang	Tsinghua University
10:30 - 11:00 am	**2-3:** Hydrothermal Formation and Application of advanced Ca/Mg-bearing Whiskers	Lan Xiang	Tsinghua University
11:00 - 11:30 am	**2-4:** Feature and Future of Hydrothermal-Electrochemical Processing for Inorganic Materials	Masahiro Yoshimura	National Cheng Kung University
11:30 - noon	**2-5:** Multiplex Templating Hydrothermal Synthesis of Functional Nanowires, Macroscopic Assemblies and Their Applications	Shu-Hong Yu	Hefei National Laboratory

Location: Room 102

Time	Title	Speaker	Affiliation
Session 3 – Sustainability (Chair: Richard Riman, Rutgers University)			
9:30 - 10:00 am	**3-1:** Hydrothermal Conversion of Algal Biomass to Fuels and Chemicals	Phillip Savage	University of Michigan
10:00 - 10:30 am	**3-2:** Supercritical Water Oxidation: The Next Generation of Processes for Hazardous Waste Treatment	Bushra Al-Duri	University of Birmingham
10:30 - 10:45 am	**3-3:** Sub-critical Water Technology as a Green and Sustainable Tool for Oil Extraction	Wael Abdelmoez	Minia University
10:45 - 11:15 am	**3-4:** Carbon Dioxide Capture in Metal-Organic Frameworks	Jeffrey Long	University of California, Berkeley
11:15 - 11:30 am	**3-5:** Greener Synthesis of Metal Organic Frameworks in High Temperature Water	Peter Bayliss	University of Nottingham
11:30 - noon	**3-6:** Microporous Metal Organic Frameworks: Solvothermal-Hydrothermal Synthesis, Structure-Pore Functionalization, and Potential Applications	Jing Li	Rutgers University

Location: Tejas Dining Room

Time	Title
Noon - 1:30 pm	**Lunch**

Monday, January 14th (Afternoon)

Location: Room 204 (Amphitheatre)

Time	Title	Speaker	Affiliation
Session 4 – Materials: Catalysis and Nanomaterials (Chair: Tadafumi Adschiri, Tohoku University)			
1:30 - 2:00 pm	**4-1:** New Oxide Materials for Catalysis from Hydrothermal Chemistry	Richard Walton	University of Warwick
2:00 - 2:30 pm	**4-2:** Hydrothermal-galvanic couple synthesis of perovskite oxide thin films	Fu-Hsing Lu	National Chung-Hsing University
2:30 - 3:00 pm	**4-3:** Shape-selective Growth of Noble Metal Nanocrystals	Xianmao Lu	National University of Singapore
3:00 - 3:30 pm	**Break**		
3:30 - 4:00 pm	**4-4:** Synthesis and Applications of Nanoparticles	Richard Tilley	Victoria University of Wellington
4:00 - 4:30 pm	**4-5:** Generalized Syntheses of Nanocrystal–Graphene Hybrids in Hot Solvents	Hsing-Yu Tuan	National Tsing Hua University
4:30 - 5:00 pm	**4-6:** Nanoparticle Assembly Using Polymer Templates and Printing Technologies for Hybrid Materials and Devices	Jim Watkins	University of Massachusetts

Location: Room 101

Time	Title	Speaker	Affiliation
Session 5 – X-Rays, Microreactors and In situ studies (Chair: Edward Lester, University of Nottingham)			
1:30 - 2:00 pm	**5-1:** Hydrothermal synthesis of VO_2 nanocrystals and applications	Yanfeng Gao	SIC
2:00 - 2:30 pm	**5-2:** Neutron Radiography on Mixing Behavior of Supercritical Water and Room-Temperature Water in Tubular Flow Reactor for Hydrothermal Synthesis	Seiichi Takami	Tohoku University
2:30 - 3:00 pm	**5-3:** Hydrothermal Media on Chip: Supercritical Microreactors for Studying Water / CO_2 Systems	Samuel Marre	University of Bordeaux
3:00 - 3:30 pm	**Break**		
3:30 - 4:00 pm	**5-4:** Design Methodology of Microreactor and its Application for Supercritical Nanoparticle Synthesis	Nobuaki Aoki	Tohoku University
4:00 - 4:30 pm	**5-5:** The In Situ Supercritical Suite at Pacific Northwest National Laboratory	Todd Schaef	Pacific Northwest National Laboratory
4:30 - 4:45 pm	**5-6:** Watching chemistry happen: In situ studies of nanoparticle formation and growth in sub- and supercritical fluids	Kirsten M. Ø. Jensen	Aarhus University
4:45 - 5:00 pm	**5-7:** Liquid Crystals of Zirconium Phosphate disks with Various Aspect Ratios Controlled through Hydrothermal Method	Min Shuai	Texas A&M University

Location: Room 102

Time	Title	Speaker	Affiliation
Session 6 – Materials (Chair: Byron Byrappa, University of Mysore)			
1:30 - 1:45 pm	**6-1:** Low temperature sol gel processing of pure and Al doped ZnO films	Sampyady Dharmaprakash	Mangalore University
1:45 - 2:00 pm	**6-2:** Preparation of transparent zeolite film on glass substrate without using structure directing agents	Takamasa Onoki	Osaka University
2:00 - 2:30 pm	**6-3:** Hydrothermal Synthesis of New Functional Polar Inorganic Materials	P. Shiv Halasyamani	University of Houston
2:30 - 2:45 pm	**6-4:** Direct Synthesis of Oxides from Solvothermal Oxidation of Metallic Gallium	Helen Playford	University of Warwick
2:45 - 3:00 pm	**6-5:** Characterisation of Doped Perovskites Prepared by Hydrothermal Synthesis	Hilni Harunsani	University of Warwick
3:00 - 3:30 pm	**Break**		
3:30 - 3:45 pm	**6-6:** New Metastable Ternary Metal Ruthenium Oxides from Low Temperature Hydrothermal Synthesis	Craig Hiley	University of Warwick
3:45 - 4:00 pm	**6-7:** Synthesis of Nanocomposites of ZnO/ZrO_2, $Ag\text{-}RuO_2$ and Ru-ZnS by Electrochemical method in aqueous medium for photocatalytic degradation kinetics reaction for dyes and for antibacterial study	Sannaiah Ananda	University Of Mysore
4:00 - 4:15 pm	**6-8:** A strategy for Design of Concave Pt-Ni Alloy with Controllable Chemical Etching	Yuen Wu	Jilin University
4:15 - 4:30 pm	**6-9:** Synthesis of a Novel Implant for Bone Grafting Using Sub-critical Water Technology	Hiroyuki Yoshida	Osaka University
4:30 - 4:45 pm	**6-10:** The use of continuous hydrothermal synthesis in the formulation and functionalization of flame retardant polymers	Sherif Elbasuney	University of Nottingham
4:45 - 5:00 pm	**6-11:** Bifunctional, Non-precious Metal Perovskite Electrocatalysts with High Mass Activities for Water Oxidation and Oxygen Reduction	William Hardin	University of Texas at Austin

Monday, January 14th (Evening)

Location: Interior Courtyard

Time	Title
5:30 - 7:30 pm	**Reception:** Poster Session & ISHA Graduate Student Poster Competition (Detailed Listing of Participants at End of Program Schedule)

Tuesday, January 15th (Morning)

Location: Tejas Dining Room

Time	Title
7:00 - 8:00 am	**Breakfast**

Location: Room 204 (Amphitheatre)

Time	Title	Speaker	Affiliation
Morning Ceremony			
8:00 - 8:45 am	**Roy-Somiya Award: "**From Lab to Factory Floor"	Edward Lester	University of Nottingham
8:45- 9:00 am	**Break**		

Location: Room 204 (Amphitheatre)

Time	Title	Speaker	Affiliation
Session 7 – Materials: Nanowires (Chair: Richard Tilley, Victoria University of Wellington)			
9:00 - 9:30 am	**7-1:** Metal-Assisted Silicon and Germanium Nanowire Growth: Novel Methods for High-Throughput Production	Tobias Hanrath	Cornell University
9:30 - 10:00 am	**7-2:** Tailoring the Growth and Morphology of Germanium Nanowires in Supercritical fluids	Justin Holmes	University College Cork
10:00 - 10:30 am	**7-3:** Colloidal Synthesis of Silicon Nanowires and Nanorods	Andrew Heitsch	Dow Chemical
10:30 - 11:00 am	**Break**		
11:00 - 11:15 am	**7-4:** Monophenyl Silane Catalyzed Growth of Germanium Nanowires with Gold and Nickel Seeds	Xiaotang Lu	University of Texas at Austin
11:15 - 11:30 am	**7-5:** Self-Seeded Growth of Germanium Nanowires in Supercritical Fluids	Olan Lotty	University College Cork
11:30 - 11:45 am	**7-6:** The structure and properties of $W_{18}O_{49}$ ultrathin nanowire bundles	Guangsheng Pang	Jilin University
11:45 – noon	**7-7:** Visible Light Driven Photoelectrochemical Water Oxidation on Nitrogen-Modified TiO_2 Nanowires	Son Hoang	University of Texas at Austin

Location: Room 101

Time	Title	Speaker	Affiliation
Session 8 – Materials: Crystallization/Processing (Chair: Dan Wang, Institute of Process Engineering)			
9:00 - 9:30 am	**8-1:** High Quality, Low Cost Ammonothermal Bulk GaN Substrates	Dirk Ehrentraut	Soraa, Inc.
9:30 - 10:00 am	**8-2:** Densification Behavior and Interfaces of Tantalum Carbide Nanopowders Prepared by a Solvothermal Process and Consolidated by Spark Plasma Sintering	Olivia Graeve	University of California, San Diego
10:00 - 10:30 am	**8-3:** Ultrasonic-assisted hydrothermal method for the piezoelectric materials	Takeshi Morita	University of Tokyo
10:30 - 11:00 am	**8-4:** Hydrothermal growth of perovskites: a strategy for processing advanced ferroic structures	Paula Vilarinho	University of Aveiro
11:00 - 11:30 am	**8-5:** Hydrothermal Growth of Calcite Crystals by Slow Cooling Method	Kazumichi Yanagisawa	Kochi University
11:30 – noon	**8-6:** Hydrothermal Production and Surface Characterization of Novel Alpha Alumina – based Nanomaterials	Wojciech Suchanek	Sawyer Technical Materials, LLC

Location: Tejas Dining Room

Time	Title
noon - 1:30 pm	**Lunch**

Tuesday, January 15th (Afternoon)

Location: Room 204 (Amphitheatre)

Time	Title	Speaker	Affiliation
Session 9 – Materials: Particle production/Continuous reactors (Chair: Richard Walton, University of Warwick)			
1:30 - 2:00 pm	**9-1:** Supercritical Hydrothermal Synthesis of Organic Modified Nanoparticles for the Fabrication of Hybrid Polymers	Tadafumi Adschiri	Tohoku University
2:00 - 2:30 pm	**9-2:** Hydrothermal Synthesis of Layered α-Zirconium Phosphate Disks: Control of Aspect Ratio and Polydispersity for Nano-architecture	Zhengdong Cheng	Texas A&M University
2:30 - 3:00 pm	**9-3:** SHYMAN – Sustainable Hydrothermal Manufacturing of Nanomaterials	Edward Lester	University of Nottingham
3:00 - 3:30 pm	**Break**		
3:30 - 4:00 pm	**9-4:** Hydrothermal Synthesis of Li4Ti5O12 Spinel in a Continuous Flow Reactor	Karl Thomas Fehr	LMU Munich
4:00 - 4:30 pm	**9-5:** Numerical Simulation of Supercritical Water Flows in Continuous Hydrothermal Synthesis Reactors	Takashi Furusawa	Tohoku University
4:30 - 5:00 pm	**9-6:** Fluid mixing engineering on continuous supercritical hydrothermal synthesis	Shin-ichiro Kawasaki	National institute of Advanced Industrial Science and Technology
5:00 - 5:30 pm	**9-7:** Rearrangement of Organic-inorganic hybrid Cerium Oxide Nanocrystals during Tetrahydrofuran Annealing	Daisuke Hojo	Tohoku University

Location: Room 101

Time	Title	Speaker	Affiliation
Session 10 – Materials: Nanomaterials (Chair: Shouhua Feng, Jilin University)			
1:30 - 2:00 pm	**10-1:** Hydrothermal Soft Chemical Synthesis of {010}-Faceted Anatase TiO_2 Nanocrystals for High Performance Dye-Sensitized Solar Cells	Qi Feng	Kagawa University
2:00 - 2:30 pm	**10-2:** Solubility and Supersaturation in Hydrothermal Crystal Growth of ZnO	Maria Gelabert	Winthrop University
2:30 - 3:00 pm	**10-3:** Synthesis of TiO2 mesoporous beads and its use in all-plastic dye-sensitized solar cell	Jyh-Ming Ting	National Cheng Kung University
3:00 - 3:30 pm	**Break**		
3:30 - 4:00 pm	**10-4:** Novel Optical Properties from Solution-Derived Nanoparticles	Luiz Jacobsohn	Clemson University
4:00 - 4:30 pm	**10-5:** Fabrication of Artificial Photosynthesis Devices Using Hydrothermal Synthesis of Photocatalysts	Young Soo Kang	Sogang University

4:30 - 5:00 pm	**10-6:** Hydrothermal Preparation of High Efficient TiO_2-Graphdiyne Photocatalyst	Dan Wang	Institute of Process Engineering

Location: Room 102

Time	Title	Speaker	Affiliation
Session 11 – Materials (Chair: Juan Carlos Rendón-Angeles, Cinvestav)			
1:30 - 2:00 pm	**11-1:** Understanding the mechanism of formation of nanoporous materials under hydrothermal conditions by in situ X-ray techniques	Gopinathan Sankar	University College London
2:00 - 2:30 pm	**11-2:** Solvothermal Reactions For Novel Chemical Syntheses: From Graphene To MOFs	John Stride	University of New South Wales
2:30 - 3:00 pm	**11-3:** Microbial-Mineralization-Inspired Syntheses of Nanostructured Iron Oxides and Manganese Oxides with Controlled Crystal Phases	Hiroaki Imai	Keio University
3:00 - 3:30 pm	**Break**		
3:30 - 3:45 pm	**11-4:** Spark Plasma Solvothermal Technique for the Formation of Graphitic Pattern - A Soft Solution Process (SSP)	Jaganathan Senthilnathan	National Cheng Kung University
3:45 - 4:00 pm	**11-5:** Solvothermal Synthesis of Acmite Conversion Coatings on Steel	Terence Whalen	Rutgers University
4:00 - 4:15 pm	**11-6:** Continuous hydrothermal synthesis of functional nanomaterials for high-performance textiles	Miquel Gimeno-Fabra	University of Nottingham
4:15 - 4:30 pm	**11-7:** Continuous Hydrothermal Synthesis of Stabilised Zinc Sulphide Nanoparticles with Fluorescent Properties	Miquel Gimeno-Fabra	University of Nottingham
4:30 - 5:00 pm	**11-8:** Vapor Phase Hydrothermal Synthesis: A New Approach for Fabrication of Nanomaterials	Huijun Zhao	Griffith University
5:00 - 5:30 pm	**11-9:** Synthesis of Semiconducting Chalcogenide Nanocrystals for Solar Cell Application	Ningzhong Bao	Nanjing University of Technology

Tuesday, January 15th (Evening)

Location: Interior Courtyard

Time	Title
5:30 - 7:30 pm	**Reception:** Networking / ISHA Gold & Silver Winners Announcement

Wednesday, January 16th (Morning)

Location: Tejas Dining Room

Time	Title
7:00 - 8:00 am	**Breakfast**

Location: Room 204 (Amphitheatre)

Time	Title	Speaker	Affiliation
Morning Ceremony			
8:00 - 8:45 am	**ISHA Lifetime Achievement Award:** Feature and Future of Hydrothermal/Solvothermal Reactions for Synthesis/Preparation of Nano-Materials with Desired Shapes, Sizes and Structures	Masahiro Yoshimura	National Cheng Kung University
8:45 - 9:00 am	**Break**		

Location: Room 204 (Amphitheatre)

Time	Title	Speaker	Affiliation
Session 12 – Materials (Chair: Motonobu Goto, Nagoya University)			
9:00 - 9:30 am	**12-1:** Hydrothermal Synthesis of Noncentrosymmetric Mixed Metal Oxide-Fluorides	Kenneth R. Poeppelmeier	Northwestern University
9:30 - 10:00 am	**12-2:** Hydrothermal access to oxide catalysts and sensors: From MARS methods to environmental applications	Greta Patzke	University of Zurich
10:00 - 10:30 am	**Break**		
10:30 - 11:00 am	**12-3:** Construction of a Series of Coordination Polymers Based on Tetracarboxylate Ligand: Synthesis, Structure, Gas Adsorption and Magnetic Properties	Yunling Liu	Jilin University
11:00 - 11:30 am	**12-4:** Novel Solution Processing and In situ Surface Modification of Metal Oxide Nanomaterials	Byron Byrappa	University Of Mysore
11:30 - noon	**12-5:** Hydrothermal Growth of Multifunctional YAG Single Crystals for Laser Applications: Teaching an Old Dog New Tricks	Joseph Kolis	Clemson University

Location: Room 101

Time	Title	Speaker	Affiliation
Session 13 – Materials (Chair: Shu-Hong Yu, Hefei National Laboratory)			
9:00 - 9:30 am	**13-1:** Hierarchical $PbTiO_3$ Nanostructures Grown by Self-Assembly of Nanocrystals during Hydrothermal Synthesis	Mari-Ann Einarsrud	Norwegian University of Science and Technology
9:30 - 10:00 am	**13-2:** Atomic-Scale p-n Junctions of Manganese Perovskite Oxides from Hydrothermal Systems	Shouhua Feng	Jilin University
10:00 - 10:30 am	**Break**		
10:30 - 10:45 am	**13-3:** Facile Synthesis of Au@TiO_2 Core-shell Hollow Spheres for Dye-sensitized Solar Cells	Jiang Du	University of Texas at Austin
10:45 - 11:00 am	**13-4:** Recycling of carbon fibre composites in supercritical hydrothermal conditions	Cyril Aymonier	University of Bordeaux
11:00 - 11:15 am	**13-5:** Single-step Transformation of $SrMoO_4$ Particles from $SrSO_4$ Ore Under Alkaline Hydrothermal Conditions	Joaquin Diaz Algara	Autonomous University of Baja California
11:15 - 11:30 am	**13-6:** Hydrothermal Synthesis and Characterisation of New Rare-Earth Orthochromite Perovskites $La_{1-x}Sm_xCrO_3$	Luke Daniels	University of Warwick
11:30 - 11:45 am	**13-7:** New Applications of Hydrothermal Reactions in Creating Abnormal Materials Properties	Guangshe Li	Fujian Institute of Research

11:45 - noon	**13-8:** Synthesis and Development of Li-Cd nano Ferrites by Citrate Precursor Gel Method for Multilayers Chip Inductors Applications	Dachepalli Ravinder	Osmania University

Location: Room 102

Time	Title	Speaker	Affiliation
Session 14 – Materials (Chair: Sridhar Komarneni, Penn State University)			
9:00 - 9:30 am	**14-1:** Hydrothermal Synthesis of CeO_2 with Hollow Architecture	Ranbo Yu	University of Science and Technology Beijing
9:30 - 10:00 am	**14-2:** Application of Hydro- and Solvo-Thermally Processed Ceramic Nanoparticles for OTN-NIR Biomedical Imaging	Kohei Soga	Tokyo University of Science
10:00 - 10:30 am	**Break**		
10:30 - 11:00 am	**14-3:** Exploration of New Inorganic SHG Materials based on Metal Iodates	Jiang-Gao Mao	Fujian Institute of Research
11:00 - 11:15 am	**14-4:** Organics Assisted Selectively Doped and Codoped ZnO Nanoparticles by Hydrothermal and Solvothermal Processes for Enhancing Biological Activities	Namratha KeerthiRaj	University Of Mysore
11:15 - 11:30 am	**14-5:** Controllable Synthesis and Zn_2+ Adsorption of γ-MnO_2 Nanostructures	Chengxiang Liu	Tsinghua University
11:30 - 11:45 am	**14-6:** Synthesis of ZnO nano-whiskers in the presence of SDNS	Chengxiang Liu	Tsinghua University

Location: Tejas Dining Room

Time	Title
Noon - 1:30 pm	**Lunch**

Wednesday, January 16th (Afternoon)

Location: Room 204 (Amphitheatre)

Time	Title	Speaker	Affiliation
Session 15 – Sustainability (Chair: Bushra Al-Duri, University of Birmingham)			
1:30 - 2:00 pm	**15-1:** Novel Structural Materials developed by CO_2 Sequestration of Mineral Silicates	Surojit Gupta	Rutgers University
2:00 - 2:30 pm	**15-2:** Carbonate Concrete: A Hydrothermal Technology for CO_2 Utilization and Construction	Richard (Rik) Riman	Rutgers University
2:30 - 3:00 pm	**15-3:** Hydrothermal Technology for Ore Treatment and Metal Recovery	Fathi Habashi	Université Laval
3:00 - 3:30 pm	**Break**		
3:30 - 4:00 pm	**15-4:** Hydrothermal Recovery of Zn and Pb from MSWI Bottom Ashes and APC Residues	Amanda Günther	LMU Munich
4:00 - 4:30 pm	**15-5:** Single Step Transformation of Raw Minerals for Inorganic Compound Synthesis Under Hydrothermal Conditions	Juan Carlos Rendón-Angeles	Cinvestav

4:30 - 5:00 pm	**15-6:** Hydrothermal Conversion of Brominated Compounds to Alcohols in Aqueous Amphipathic Solution without Catalysts	Toshitaka Funazukuri	Chuo University

Location: Room 101

Time	Title	Speaker	Affiliation
Session 16 – Supercritical CO_2 (Chair: Brian Korgel, University of Texas at Austin)			
1:30 - 2:00 pm	**16-1:** Understanding supercritical CO_2: from fundamental to industrial applications	Lourdes Vega	MATGAS
2:00 - 2:30 pm	**16-2:** CO_2-expanded solvents: unique media for the synthesis of micro- and nano-particulate molecular materials with high structural homogeneity	Nora Ventosa	ICMAB-CSIC
2:30 - 3:00 pm	**16-3:** Fabrication of PVP Micro-Hollow Fiber by Electrospinning Process in Near-Critical CO_2	Motonobu Goto	Nagoya University
3:00 - 3:30 pm	**Break**		
3:30 - 4:00 pm	**16-4:** Metal Deposition on Porous Supports Using Supercritical CO_2	Albertina Cabañas	The Complutense University
4:00 - 4:15 pm	**16-5:** Extraction Kinetics for Dioxins-Contaminated Soil by Supercritical Carbon Dioxide with Methanol	Ming-Tsai Liang	I-Shou University
4:15 - 4:30 pm	**16-6:** Lycopene/Cyclodextrin Nanoparticle Formation Using Solution Enhanced Dispersion by Supercritical Fluid Process	Hazuki Nerome	Nagoya University
4:30 - 5:00 pm	**16-7:** Supercritical fluids for effective particle design processes	Michael Türk	Karlsruhe Institute of Technology
5:00 - 5:15 pm	**16-8:** Supercritical Carbon Dioxide-in-Water Foams Stabilized with Nanoparticle and Surfactant Amphiphiles	Andrew Worthen	University of Texas at Austin
5:15 - 5:30 pm	**16-9:** Switchable Ethoxylated Nonionic to Cationic Amine Surfactants for CO_2 Enhanced Oil Recovery in High Temperature, High Salinity Carbonate Reservoirs	Yunshen Chen	University of Texas at Austin

Wednesday, January 16th (Evening)

Location: Interior Courtyard

Time	Title
5:30 - 7:00 pm	**Reception:** Networking / Wrap-Up

Monday, January 14th (Evening)

Location: Interior Courtyard

Time	Title	Speaker	Affiliation
5:30 - 7:30 pm	**Reception:** Poster Session and ISHA Graduate Student Poster Competition		
	P-1: Silanization of Silica SBA-15 using Supercritical Carbon Dioxide	Albertina Cabañas	The Complutense University
	P-2: Synthesis of Carbonated Doped Hydroxyapatite Powders by Urea Decomposition Under by Hydrothermal Method	José Ricardo Escalona-González	Cinvestav
	P-3: Hydrothermal Conversion of 1-Bromododecane to 1-Dodecanol in Aqueous 2-Butanone Solution without Catalysts	Yuki Goto	Chuo University
	P-4: Influence Of Hydrothermal Alkaline Activation on the Co-Cr-Mo Biodur CCmplus 799 Alloy Compacts	Zully Matamoros Veloza	Technological Institute of Saltillo
	P-5: Effect of Phosphate Precursor on the Crystallization of Ca10-xMgx(PO4)6(OH)2 Solid Solutions Under Hydrothermal Conditions	Karla Montoya	Cinvestav
	P-6: Hydrothermal Conversion of Celluloses to Glucose and Cellooligosaccharides in Dilute Aqueous Formic Acid Solution	Shingo Ozawa	Chuo University
	P-7: Phase Transformation and Photoluminescence of CePO4 Nano-wires	Pengfei Xu	University of Science and Technology Beijing
	P-8: Superparamagnetic Iron Oxide Nanoparticles Grafted with Sulfonated Copolymers are Stable in Concentrated Brine at Elevated Temperatures and Weakly Adsorb on Silica	Zheng Xue	University of Texas at Austin
	ISHA Gold/Silver Participants		
	3-5: Greener Synthesis of Metal Organic Frameworks in High Temperature Water	Peter Bayliss	University of Nottingham
	1-4: Solution-Grown Si and Ge Nanowires as High Capacity Anodes for Lithium-Ion Batteries	Timothy Bogart	University of Texas at Austin
	16-9: Switchable Ethoxylated Nonionic to Cationic Amine Surfactants for CO2 Enhanced Oil Recovery in High Temperature, High Salinity Carbonate Reservoirs	Yunshen Chen	University of Texas at Austin
	13-6: Hydrothermal Synthesis and Characterisation of New Rare-Earth Orthochromite Perovskites La1-xSmxCrO3	Luke Daniels	University of Warwick
	13-5: Single-step Transformation of SrMoO4 Particles from SrSO4 Ore Under Alkaline Hydrothermal Conditions	Joaquin Diaz Algara	Autonomous University of Baja California
	13-3: Facile Synthesis of Au@TiO2 Core-shell Hollow Spheres for Dye-sensitized Solar Cells	Jiang Du	University of Texas at Austin
	6-10: The use of continuous hydrothermal synthesis in the formulation and functionalization of flame retardant polymers	Sherif Elbasuney	University of Nottingham
	11-6: Continuous hydrothermal synthesis of functional nanomaterials for high-performance textiles	Miquel Gimeno-Fabra	University of Nottingham
	6-11: Bifunctional, Non-precious Metal Perovskite Electrocatalysts with High Mass Activities for Water Oxidation and Oxygen Reduction	William Hardin	University of Texas at Austin
	6-5: Characterisation of Doped Perovskites Prepared by Hydrothermal Synthesis	Hilni Harunsani	University of Warwick
	6-6: New Metastable Ternary Metal Ruthenium Oxides from Low Temperature Hydrothermal Synthesis	Craig Hiley	University of Warwick
	7-7: Visible Light Driven Photoelectrochemical Water Oxidation on Nitrogen-Modified TiO2 Nanowires	Son Hoang	University of Texas at Austin
	5-6: Watching chemistry happen: In situ studies of nanoparticle formation and growth in sub- and supercritical fluids	Kirsten M. Ø. Jensen	Aarhus University

	14-4: Organics Assisted Selectively Doped and Codoped ZnO Nanoparticles by Hydrothermal and Solvothermal Processes for Enhancing Biological Activities	Namratha KeerthiRaj	University Of Mysore
	14-6: Synthesis of ZnO nano-whiskers in the presence of SDNS	Chengxiang Liu	Tsinghua University
	7-5: Self-Seeded Growth of Germanium Nanowires: Coalescence and Ostwald ripening	Olan Lotty	University College Cork
	7-4: Monophenyl Silane Catalyzed Growth of Germanium Nanowires with Gold and Nickel Seeds	Xiaotang Lu	University of Texas at Austin
	16-6: Lycopene/Cyclodextrin Nanoparticle Formation Using Solution Enhanced Dispersion by Supercritical Fluid Process	Hazuki Nerome	Nagoya University
	6-4: Direct Synthesis of Oxides from Solvothermal Oxidation of Metallic Gallium	Helen Playford	University of Warwick
	13-8: Synthesis and Development of Li-Cd nano Ferrites by Citrate Precursor Gel Method for Multilayers Chip Inductors Applications	Dachepalli Ravinder	Osmania University
	1-5: Direct growth of silicon and germanium nanowires on metal foils: opportunities and challenges for high-throughput processing	Benjamin Richards	Cornell University
	11-4: Spark Plasma Solvothermal Technique for the Formation of Graphitic Pattern - A Soft Solution Process (SSP)	Jaganathan Senthilnathan	National Cheng Kung University
	5-7: Liquid Crystals of Zirconium Phosphate disks with Various Aspect Ratios Controlled through Hydrothermal Method	Min Shuai	Texas A&M University
	11-5: Solvothermal Synthesis of Acmite Conversion Coatings on Steel	Terence Whalen	Rutgers University
	16-8: Supercritical Carbon Dioxide-in-Water Foams Stabilized with Nanoparticle and Surfactant Amphiphiles	Andrew Worthen	University of Texas at Austin