Tentative Program

15th International Conference and Exhibition on

Materials Science and Engineering

November 07-08, 2018 | Atlanta, USA



Interactive Sessions

Keynote Lectures

Plenary Lectures

Workshops

Exhibitors

B2B Meetings

For available speaker slots

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Program at a Glance

15th International Conference and Exhibition on

Materials Science and Engineering

November 07-08, 2018 Atlanta, USA

Tentative Program
**Note: This Program has been designed with the tentative schedule and timings. Dates and timings in this Program are subject to change at any time

Keynote Speakers presentations	
	Title: Design of metamaterials using transformation physics
	Ramesh K. Agarwal, Washington University in St. Louis, USA
Refreshments and Networking Break	
	Title: Manufacture of defect-free metals
	John Campbell, University of Birmingham, UK
** Keynote Presentation Slots are Avilable **	
Panel Discussions	
Speakers Sessions	
Materials Science & Engineering| Nanotechnology in Materials Science| Batteries and Energy Materials| Mining, Metallurgy and Materials Science| Emerging technologies in materials science| Biomaterials and Tissue Engineering| Structural Materials and Characterization| Polymer Science and Technology| Mechanics and Materials Science| Materials Chemistry and Physics| Computational Materials Science	
Chair	**Yet to be Confirmed**
Co-Chair	**Yet to be Confirmed**
Confirmed Speakers	
	Study on uniaxial tensile and creep deformation of structural steel
	Rajkumar Singh, Bharat Forge Limited, India
	Multi-National rare earth materials value chain & research facility
	James Kennedy, ThREE Consulting, USA
	Hybrid photoresists based on organic metals clusters and ligands
	Davoud Dastan, Georgia Institute of Technology, USA
	Title: Polymorphic hydrogen bonded, disordered and photoreactive crystals
	Bruce S. Hudson, Syracuse University , New York, United States
	Title: XRD and Nanostructures based Third Generation Solar Cell
	Gen Long, St. John's University, New York, United States
	Title: Heterospin Crystal – New Sensor to the External Pressure
	Victor Ovcharenko, International Tomography Center, Novosibirsk, Russia
	Title: When crystallography alone fails, it can use help from tin-119 Mössbauer spectroscopy
	Georges Denes, Concordia University, Canada

Speakers Yet to be Confirmed	
	Title: Conformational plasticity of the Immunoglobulin Fc domain in solution
	Soumya G. Remesh, Lawrence Berkeley National lab, California, United States
	Title:: The impact of crystallization conditions, protein constructs and space groups on structure-based drug design
	Orly Dym, Structural Proteomics Unit, Rehovot, Israel
	Title: Recent development in automatic data collection
	Marc Allaire, Lawrence Berkeley National lab, California, United States
	Title: Joint use of the silicate-hydroxide-carbonate precursor system, a new perspective in obtaining clay minerals
	Christian Fabian Varela Olivera, Universidad Pedagógica y Tecnológica de Colombia, Colombia
	Title: Synthetic Phase and Morphology Control over Colloidal Nickel Sulfide Nanocrystals
	Gözde Barim, University of southern California, USA
	Title: Self-assembly of Organic Chromophore Nanostructures
	Jonathan P. Hill, National Institute for Materials Science, Japan
	Title: Etching rate reactions on titanium surfaces under various electromagnetic radiation frequencies
	Katelyn Denyer, Liberty University School of Engineering and Computational Sciences, USA
	Title: Structure, chemistry and properties of CuO-xCu2O quasi-liquid grain boundary layer of CaTiO3-NdAlO3 based dielectric ceramics
	Li-jin Cheng, Huazhong University of Science & Technology, China
	Title: Nano diamonds (NDs) and Ag-NDs composites fabricated by microplasma technique for water purification
	M. Shahid Rafique, UET, Pakistan
	Title: Characterizing laser induced plasma and ablation of Mg-alloy in the presence and absence of magnetic field
	Shazia Bashir, Government College University Lahore, Pakistan
	Title: The effect of annealing temperature on structural and optical properties of ZnGa2O4: Cr3+ synthesized by citrate sol-gel method
	Megersa Kasim Hussen, University of the Free State, South Africa
	Title: Nanocellulose: The next generation of super materials
	Michael L. Curry, Tuskegee University Department of Chemistry and Department of Materials Science and Engineering, USA
	Title: Effect of milling parameters on the structural integrity of multiwalled carbon nanotubes (MWCNTs) in Ti64
	Oluwaniyi Azeez Ajiteru, University of Johannesburg, South Africa
	Title: Magnetic characteristic and applications of manganese doped cadmium sulphide nanofilms prepared by electrodeposition method
	Patricia C. Okafor, Department of Physics, College of Education, Nigeria
	Title: Strongly circularly polarized luminescence from dinuclear Eu(III) helicates prepared through a BINOL-based bis-β-diketone ligands
	Pengfei Yan, Heilongjiang University, China
	Title: Fabrication and characterization of copper doped cadmium sulphide thin film solar cell
	Sabur Abiodun Ayinde, The Federal Polytechnic, Nigeria
	Title: Micro and nanotechnology congress and expo
	Salah-ddine KRIT, Ibn Zohr University Agadir, Morocco

	Graphene growth on insulator: Irradiating 10B pencil drown paper and PLD in carbon oxides
	Satoru Kaneko, KISTEC, Japan
	Title: Microwave energy in metallurgical and materials Science
	Suresh S, Indian Institute of Technology Bombay, India
	Title: Hardware implementation of stigmergy for cognitive photonics
	Eugenio FAZIO, Sapienza Università di Roma, Italy
	Title: Wear and corrosive performance of cold sprayed coating
	Harminder Singh, Guru Nanak Dev University, India
	Title: Backpropagation artificial neural network method for the prediction of nanostructured waspaloy under cryogenic and hot deformation
	Harrison. O. Onovo, University of Lagos, Nigeria
	Title: Active sensors for load and damage monitoring in composite structures
	Md Abu Shohag, Florida Agricultural and Mechanical University, USA
	Title: Metal-organic framework-derived formation of porous Ni@C nanospheres through post-pyrolysis method
	Mohit Kumar, Sungkyunkwan University, Republic of Korea
	Title: Ultra high pure indium metal by multi pass vertical zone refining followed by directional melting/freezing and solidification system
	Priyanka Ghai, Brock University, Canada
	Title: Magnetic fluctuations in single-layer FeSe
	Tatsuya Shishidou, University of Wisconsin-Milwaukee, USA
	Title: Promoting surface charge utilization by incorporating novel ternary ZnCoMn layered double hydroxide nanowall with bismuth vanadate for efficient photoelectrochemical water splitting
	Truong-Giang Vo, National Taiwan University of Science and Technology, Taiwan
**** Speaker Slots are Avilable ****	
Poster Presentations	
	Title: Absorption And Carrier Transport Properties Of Doped Hematite (Fe2o3)
	Adebisi Moruf Ademola, Fountain University Oshogbo, Nigeria
	Title: Fabrication of optimized PDMS scattering layers and their applications in electrical properties enhancement of planar perovskite/silicon tandem solar cells
	Asad Ali, University of Engineering and Technology, Pakistan
	Title: Characterization of the aniline.DBSA/Thermoplastic polyurethane blends for the thermomechanical and electro-mechanical properties
	Iqra Abdul Rashid, National Textile University, Pakistan
	Title: Composite epoxy graphene as replacement of metal conductor on printed circuit board (PCB)
	M.Reski, Universitas Riau, Indonesia
	Title: LENS additive manufacturing of Ti6Al4V Alloy: Microstructural evaluation and electrochemical studies
	N. Malatji, Tshwane University of Technology, South Africa
	Title: Effect of different austenitizing temperatures on the impact strenth and hardness of nodular cast iron austempered in hot sesame oil (sesanum indicum oil) bath
	Shehu Abdulhamid, Adamawa State Polytechnic Yola, Nigeria
	Title: Enhancement of optical absorption for monolayere graphene by using nanostructures
	Xiao-Dong, National University of Defense Technology, China

	Title: Smart street light based on image processing control master 2017_2018
	Alaa Mohammed Wahbi Salih, University of Alneelain, Sudan
	Title: Effect of sintering temperature on microstructural evolution and electrochemical behavior of NbTiSiFeMn high entropy alloy prepared by spark plasma sintering
	L. Rudolf. Kanyane, Tshwane University of Technology, South Africa
	Title: Synthesis and investigation of process parameters influence in LENS additive manufacturing of Ti-6Al-4V components
	Percival Nduduzo Sibisi, Tshwane University of Technology, South Africa
	Title: Microstructural evolution and tribological studies of al-sic intermetallics coatings on 316l stainless steel
	T.J Malepe, Tshwane University of Technology, South Africa
	Title: Intercalation of kaolinitic clay with quaternary ammonium cation for pollution abatement
	Theresa O. Egbuchunam, Federal University of Petroleum Resources, Nigeria
**** Poster Presentation Slots are Avilable ****	
Panel Discussions	
Best Presentation Award distribution	

Conference Highlights

- Materials Science & Engineering
- Nanotechnology in Materials Science
- Batteries and Energy Materials
- Mining, Metallurgy and Materials Science
- Emerging technologies in materials science
- Biomaterials and Tissue Engineering
- Structural Materials and Characterizationa
- Polymer Science and Technology
- Electrical, Optical and Magnetic Materials
- Materials Chemistry and Physics
- Computational Materials Science

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Glimpses of Previous Conferences











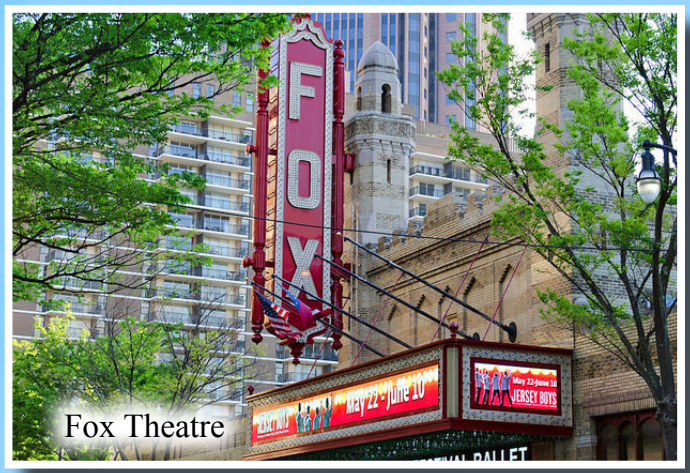


Plan your Trip to Atlanta


Atlanta Botanical Garden


Centennial Olympic Park


Fernbank Museum



Fox Theatre


Georgia Aquarium



World of Cocacola

About Atlanta

Atlanta was founded in 1837 as the end of the Western & Atlantic railroad line (it was first named Marthasville in honour of the then-governor's daughter, nicknamed Terminus for its rail location, and then changed soon after to Atlanta, the feminine of Atlantic -- as in the railroad). Today the fast-growing city remains a transportation hub, not just for the country but also for the world: Hartsfield Atlanta International Airport is one of the nation's busiest in daily passenger flights. Direct flights to Europe, South America, and Asia have made metro Atlanta easily accessible to the more than 1,000 international businesses that operate here and the more than 50 countries that have representation in the city through consulates, trade offices, and chambers of commerce. The city has emerged as a banking centre and is the world headquarters for 13 Fortune 500 companies.

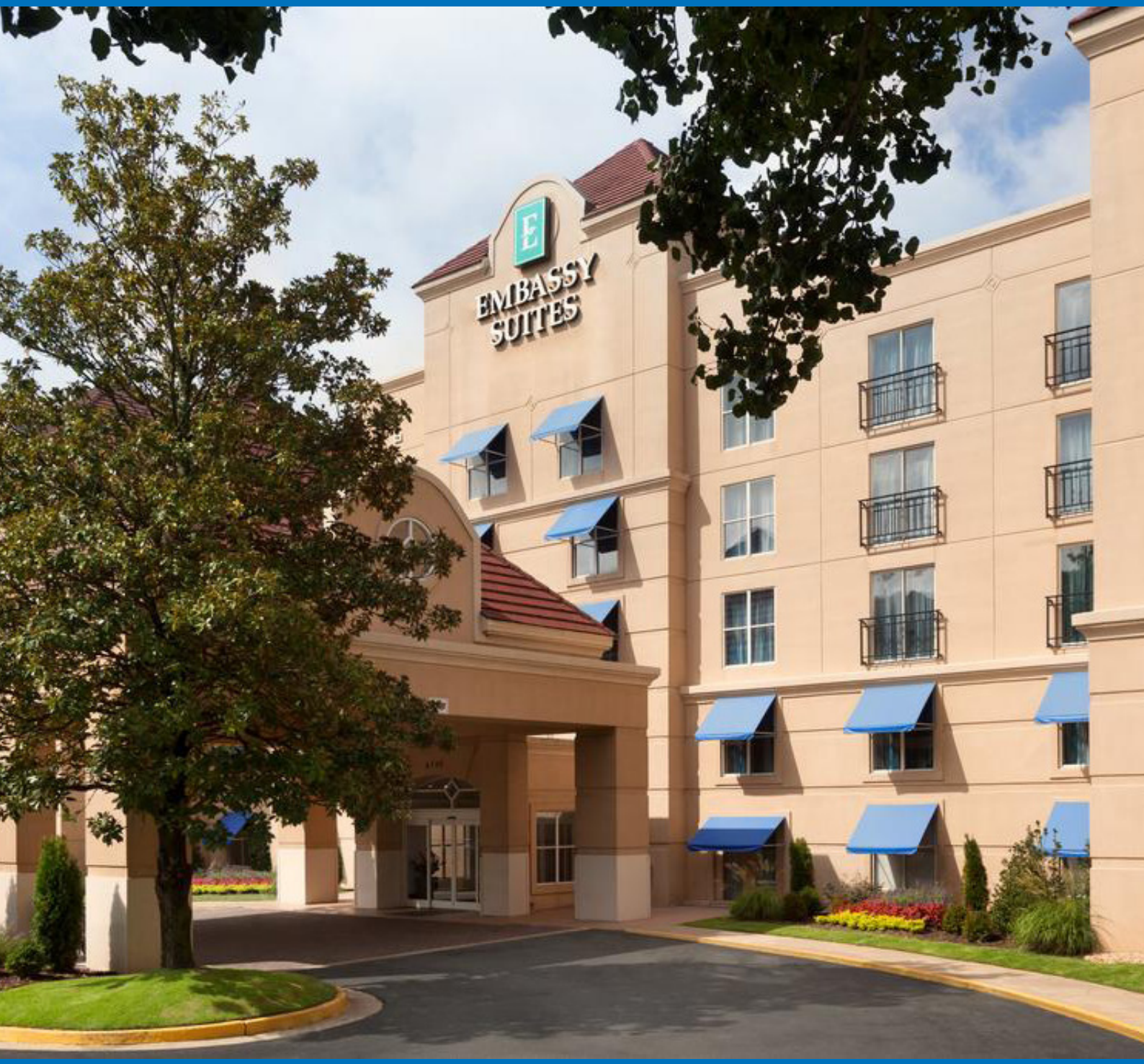
Atlanta is the capital city of the Southeast, a city of the future with strong ties to its past. The old in new Atlanta is the soul of the city, the heritage that enhances the quality of life in a contemporary city. In the turbulent 60s, Atlanta was "the city too busy to hate." And today, in the 21st century, Atlanta is the "city not too busy to care." With 5.7 million residents in the metro and outlying areas, the so-called capital of the South continues to experience explosive growth thanks to domestic transplants and international immigrants alike. Beyond the big-ticket downtown attractions you'll find a constellation of superlative restaurants, a palpable Hollywood influence, and iconic African American history. That last point can't be overstated: any nationwide African American intellectual, political and artistic movement you can mention has either had its genesis in Atlanta, or found a centre of gravity here.

Without natural boundaries to control development, it's fair to say Atlanta is more of a region than a city. Yet for all its sprawl and suburbanization, there is a lovely urban core here, covered with trees and elegant homes. Distinct neighbourhoods are like friendly small towns. The economy is robust, the population is young and creative, and the socials scene is refreshingly diverse.



Conference Venue

Embassy Suites by Hilton Atlanta Airport
4700 Southport Road
Atlanta, GA 30337, United States



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