



9:00 **Registration (all day beverages available)**

9:15 **Opening Remarks**

9:30 **Jean-Baptiste d'Espinose**, ESPCI Paris - *The Geopolymerization Reaction*

9:45 **Jeff Bullard**, NIST, EL, MSSD - *Simulating Reaction Kinetics and Microstructure Development in Suspensions*

10:00 **Andrew Allen**, NIST, MML, MMSD - *Neutron and X-Ray Scattering Characterization of Hydrating Cement for Additive Manufacturing*

10:15 **Jennifer Mills**, U. Delaware, CBE - *Structure Development in Geopolymer Cement via Scattering*

10:30 **Discussion Break**

11:15 **Shiho Kawashima**, Columbia U., CEE - *The Role of Structural Build-up for 3D Concrete Printing*

11:30 **Scott Jones**, NIST, EL, MSSD - *Additive Manufacturing with Cement-based Materials*

11:45 **Xu Chen**, U. Delaware, CEE - *Toward Future Retarders/accelerators of Geopolymers*

12:00 **David Myers**, GCP Applied Technologies - *Next-Generation Concrete Admixtures and Admixture Control Systems*

12:15 **Lunch and Discussion**

1:15 **Emmanuela Del Gado**, Georgetown U., Physics - *Mesoscale Texture and Mechanics*

1:30 **Abhay Goyal**, Georgetown U., Physics - *Origin of Cohesion in Cement Hydrates*

1:45 **Paramita Mondal**, U. Delaware, CEE - *Controlling Viscoelastic Properties through Altered Molecular Structure of C-S-H*

2:00 **Jovan Tatar**, U. Delaware, CEE - *Toward Durable Concrete Repairs: Characterization of the Adhesive Interface between Epoxy and Cement Paste*

2:15 **Discussion Break**

3:00 **Maria Katzarova**, U. Delaware, CBE - *Investigate Potential of Mars and Lunar Resources*

3:15 **Aleksandra Radlindska**, PSU, CEE - *Microstructural development of C3S Paste in Microgravity*

3:30 **Nick Martys**, NIST, EL, MSSD - *Dense Suspension Flow in Pipes: Flow Behaviour and Micro Structural Development*

3:45 **Norman Wagner**, U. Delaware, CBE - *Cement Rheology from the Colloidal View*

4:00 **Discussion Break**

4:30 **Conference Conclusion**

Parking Info: [Perkins Student Parking Garage](#)

Hotel Info: [Embassy Suites Courtesy Room Block](#)

