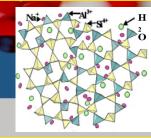


2019 CEMENT DAY

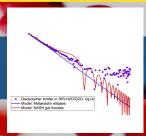


Leading Engineering for America's Prosperity, Health, and Infrastructure

May 21, 2019 9:00 a.m. - 4:30 p.m. Perkins Ewing Room









9:00	Registration (all day beverages available)	12:15	Lunch and Discussion
9:15	Opening Remarks	1:15	Emmanuela Del Gado, Georgetown U., Physics -
9:30	Jean-Baptiste d'Espinose, ESPCI Paris - The Geopolymerization Reaction		Mesoscale Texture and Mechanics
			Abhay Goyal , Georgetown U, Physics - Origin of Cohesion in Cement Hydrates
9:45	Jeff Bullard , NIST, EL, MSSD - Simulating Reaction Kinetics and Microstructure Development in Suspensions	3.45	,
		1:45	Paramita Mondal , U. Delaware, CEE - Controlling Viscoelastic Properties through Altered Molecular
10:00	Andrew Allen , NIST, MML, MMSD - Neutron and X-Ray Scattering Characterization of Hydrating Cement for Additive Manufacturing		Structure of C-S-H
		2:00	Jovan Tatar , U. Delaware, CEE - Toward Durable Concrete Repairs: Characterization of the Adhesive
10:15	Jennifer Mills, U. Delaware, CBE - Structure Development in Geopolymer Cement via Scattering		Interface between Epoxy and Cement Paste
		2:15	Discussion Break
10:30	Discussion Break	3:00	Maria Katzarova, U. Delaware, CBE - Investigate
			Potential of Mars and Lunar Resources
11:15	Shiho Kawashima , Columbia U., CEE - The Role of Structural Build-up for 3D Concrete Printing	3:15	Aleksandra Radlindska , PSU, CEE - Microstructural development of C3S Paste in Microgravity
11:30	Scott Jones , NIST, EL, MSSD - Additive Manufacturing with Cement-based Materials	3:30	Nick Martys , NIST, EL, MSSD - Dense Suspension Flow in Pipes: Flow Behaviour and Micro Structural

Parking Info: Perkins Student Parking Garage

Xu Chen, U. Delaware, CEE - Toward Future

David Myers, GCP Applied Technologies - Next-Generation Concrete Admixtures and Admixture

Retarders/accelerators of Geopolymers

Hotel Info: Embassy Suites Courtesy Room Block

Norman Wagner, U. Delaware, CBE - Cement

Rheology from the Colloidal View



Control Systems

11:45

12:00

3:45

4:00

4:30

Discussion Break

Conference Conclusion

Development

