

## Natural Pozzolan Symposium 2025 - Agenda

### Ogden UT - Convention Center

Monday, May 19<sup>th</sup>

Time	Topic	Speaker
700-800	<i>Breakfast @ Hampton Inn (for hotel guests only)</i>	
800-810	NPA Symposium – Welcome & Introduction	Chris Fagouri, Burgess Pigment President & Director, NPA
815–835	A Changing Landscape for SCMs	Jeff Whidden, President, CR Minerals; Immediate Past-President and Director, NPA
840-900	Performance Evaluation of Natural Pozzolans	Jason Richins, S.E., Concrete and Steel Engineer, UDOT
910-930	Compressive and Flexural Strength of Concrete Comprising Natural Pozzolans	Taylor Sorensen, Ph.D. Professor of Civil Engineering, BYU
935-955	Use of Natural Pozzolans in Binary and Ternary Concrete Mixes for DOT Pavements	John Edwards, Advanced Specialist Product Development, 3M. Director, NPA.
1000-1030	<b>Morning Break – Hot &amp; Cold Drinks – Fruits and Danishes</b>	<b>Sponsored by: Durability Engineers</b>
1035-1055	Decarbonizing the Cement and Concrete Industries with Science, Engineering, and Clays	Franco Zunino, Ph.D., Assistant Professor, Civil & Environmental Engineering, UC-Berkeley
1100-1120	How do Calcined Clays Impact Concrete Heat Rise?	Kyle Riding, Ph.D., Department Head, Civil/Coastal Engineering, Univ. of Florida
1125-1145	Activated Pozzolans from Calcium-Rich Silicate Rocks	Will Nguyen, Ph.D. Engineering Manager, Brimstone
	<b>Lunch Break</b>	
105-125	Use of Natural Pozzolans in the Bureau of Reclamation Infrastructure	Katey O’Quinn, Civil Engineer, Bureau of Reclamation

130-150	Natural Pozzolans in Ready-Mixed & Pre-cast Concrete	Dana Rotkovitch, KB Concrete Systems. Past President CRMCA, Board of Directors. Chair ACI 332.
155-215	Air Entrainment of Concrete comprising Natural Pozzolans	Jared Jewell, Ph.D. Candidate, Construction Engineering, BYU
220-240	NPs: Past, Present, and Future	Joseph Thomas, President, Magmatics Inc, & Exec Dir, NPA
245-305	Commercialization of Natural Pozzolan from the Front Line	Tom Cummings, CR Minerals, Sales Manager, Colorado
310-335	Pozzolanic Power vs ASR: Can High Alkali Pozzolans be Allies?	Mahipal Kasaniya, Ph.D. Dept of Civil Engineering, UNB
340-410	<b>Afternoon Break – Hot and Cold Drinks – Cookies</b>	<b>Sponsored by: CR Minerals</b>
415-435	A New Test to Determine the Soluble Fraction of Alkalis in SCMs and Predict Their Contribution to the Concrete Pore Solution	Moe Sharbaf, Ph.D., Dept. of Civil/Environmental Engineering, The Penn State University
440-500	Mechanically Activating NPs into High-Performance SCMs	Ahsan Syed, MSc – Environmental Policy, Product Development Lead, Carbon Upcycling
<b>530-700</b>	<b>NPA Sponsored Mixer @ Convention Center</b>	

## Tuesday, May 20<sup>th</sup>

Time	Topic	Speaker
700-800	<b>Breakfast @ Hampton Inn (for hotel guests only)</b>	
800-810	Welcome to Day 2 of the NPA Symposium/Admin	<b>NPA Representative</b>
815-835	Chloride Permeability and Chemical Shrinkage of Concrete Comprising Natural Pozzolan	Spencer Guthrie, Ph.D., Professor of Civil and Construction Engineering, BYU
840-900	Commercial Development of Ternary Blended Cement with Incorporation of Limestone and Zeolite Natural Pozzolan	Malak Hosseinpanahi, Ph.D., Civil Engineering, Research Scientist @ CalPortland Company

905-925	ASR Research Projects related to Natural Pozzolans	Thano Drimalas, Ph.D., Research Associate, Dept. of Civil, Architectural & Environmental Engineering, UT- Austin
930-1000	<b>Morning Break – Hot and Cold drinks – Fruit and Danishes</b>	<b>Sponsored by: CR Minerals</b>
1035-1055	Advancing Specification Pathways for Natural Pozzolans: Lessons from USACE's Low-Carbon Concrete Initiative	Anthony Bentivegna, P.E., Principal, Durability Engineers
1100-1120	Natural Pozzolans at MnRoad: How Are They Performing 3 Years Later	Sarah Lopez, PE, Project Engineer, NCE
1125-1145	Durability Evaluation of Concrete Incorporating Natural Pozzolans.	Anol Mukhopadhyay, Ph.D. Adjunct Professor, Texas A&M
1150-1255	<b>Lunch Break</b>	
100-120	Performance Evaluation of NPs in Portland Cement Mortars: A Compositional Approach	Thomas Holzheu, Engineering Physics & Microsystems Engineering, Chemistry of Concrete
125-145	Natural Pozzolans for Concrete: Their Impact on Workability, Mechanical Properties, and Durability	Somayeh Nassiri, Ph.D., Associate Professor, UC-Davis, Civil & Environmental Engineering, University of California Pavement Research Center
150-210	High-Volume Utilization of Natural Pozzolans in Cementitious Systems: Highlights and Strategic Perspectives over 20 Years of Research	Burak Uzal, Ph.D., Dept. of Civil Engineering, Abdullah Gul University, Kayseri, Türkiye
215-235	Development of a Unified Cementitious Materials Product Category Rule	Eric Giannini, Ph.D. Dir of Product Standards & Technology, PCA
240-300	Field Trip to Hess Pumice Pozzolan Mine – Overview	Brian Jeppsen, R&D, HPP. Director, NPA Board
300-330	<b>Afternoon Break: Hot and Cold Drinks - Cookies</b>	<b>Sponsored by: Durability Engineers</b>
335-355	Accounting for Water Demand of Natural Pozzolans in Strength Activity Tests	R. Doug Hooton, Ph.D., Professor Emeritus, Department of Civil & Mineral Engineering, Univ. of Toronto. Developed/Passed new NP ASTM C1945 Standard

400-500	<b>Panel of NP Experts:</b> Doug Hooton – NP Standards Going Forward; Maria Juenger – NPs role in ACI’s Commitment to Sustainability and Resiliency; Dana Rotkovich –4M+ Yards of NP based Concrete Placed;	Moderator: Joseph Thomas Q & A: Session/Close of NPA Symposium. Next Time: 2027!
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**Wednesday, May 21<sup>st</sup>**

<b>Time</b>	<b>Topic</b>	<b>Location</b>
700-740	<b><i>Breakfast @ Hampton Inn (for hotel guests only)</i></b>	<b>Hampton Inn</b>
745-800	Be on Bus by 8 AM! (for paid participants)	In front of Hampton Inn
900-100	Tour Hess Pozzolan Mine/Lunch	Hess Pumice Mine - Idaho
200	Return to Hotel – Field Trip Ends	Hampton Inn