2020 Virginia Concrete Conference

Count on Concrete For Value and Performance

Photo courtesy of VDOT

The Westin Richmond  ::  Richmond, Virginia
February 27-28, 2020
Count on Concrete For Value and Performance

Meeting / Exhibit Locations

GENERAL SESSION and BRIDGE BREAKOUT (BLUE RIDGE BALLROOM)

PAVEMENT BREAKOUT (SHENANDOAH JUNIOR BALLROOM)

Whitlock Brothers, Inc.
QUIKRETE
Hunt Valley Contractors
Olson Engineering, Inc.
Neenah Foundry
Coastal Precast Systems
Euclid Chemical
Rockingham Precast
The Reinforced Earth Co.
MAX USA Corp.
Applied Polymers
VRMCA
Ram Construction Supply
E-Z Drill, Inc.
US Foundry
Freyssinet, Inc.
BMH Systems, Inc.
URTEK USA, Inc.
Modified Concrete/HTNE
Sherwin Industries, Inc.
Vector Corrosion Technologies
CTS Cement Manufacturing
IVS Hydro
Cigeo
ECS Mid-Atlantic, LLC
Permatile Concrete Products
Andale Ready Mix, Inc.
Concrete Pipe & Precast, Inc.
Owens Corning
Oldcastle Infrastructure
URETEK USA, Inc.
1920212223242526272829303132333435
1234567891011121314151617181920212223242526272829303132333435
BAR BAR BAR
REGISTRATION
REYNOLDS EXECUTIVE BOARDROOM
PREFUNCTION
RECEPTION
RECEPTION
COURTYARD
A B C D E
## AGENDA

**THURSDAY, FEBRUARY 27**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>11:00 am – 1:00 pm</td>
<td>Registration <em>(Lobby)</em></td>
<td><strong>Chesapeake Ballroom / Pre-Function Area</strong></td>
</tr>
</tbody>
</table>
| 1:00 pm – 1:10 pm | Welcome | *Roger Faulkner, PE, Executive Director*  
Southeast Cement Promotion Association (SCPA) | **Blue Ridge Ballroom** |
| 1:10 pm – 1:50 pm | Opening Comments | *Robert Cary, PE, LS, Chief Deputy Commissioner, Virginia DOT* |
| 1:50 pm – 2:10 pm | The Federal Highway Program in Virginia | *Thomas L. Nelson, Jr., PE, FHWA, Virginia Division Administrator* | **Blue Ridge Ballroom** |
| 2:10 pm – 2:30 pm | 10 Concrete Ways to Grow Your Career in Transportation | *Tracey Sloan, Virginia DOT, Workforce Development* |
| 2:30 pm – 3:00 pm | Messaging to the Millennial Generation | *Josh Huddy, CKC Strategy & Design* |
| 3:00 pm – 3:30 pm | BREAK *(Exhibits Open)* | **Chesapeake Ballroom / Pre-Function Area** |
| 3:30 pm – 4:00 pm | Interstate 81 Overview | *David Covington, PE, Virginia DOT, I-81 Program Delivery Director* | **Blue Ridge Ballroom** |
| 4:00 pm – 4:45 pm | The Rehabilitation of the Arlington Memorial Bridge | *Ramaniklal “Ramnik” Satasiya, PE, PMP, FHWA, Eastern Federal Lands Hwy Div  
George Choubah, PE, FHWA-Eastern Federal Lands Hwy Division* |
| 4:45 pm – 5:00 pm | Virginia ACI Concrete Awards Presentation | *Derek Imperial, Swope & Associates, Inc. / Virginia Chapter ACI* |
| 5:00 pm – 6:30 pm | Reception *(Exhibits Open)* | **Chesapeake Ballroom / Pre-Function Area** |

*Dinner on your own*
## Annual Virginia Concrete Conference

*Count on Concrete For Value and Performance*

### CONCURRENT BREAKOUT SESSION (PAVEMENT)

#### FRIDAY, FEBRUARY 28

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>7:00 am – 8:00 am</td>
<td>Registration &amp; Continental Breakfast <em>Lobby &amp; Chesapeake Ballroom</em></td>
<td><em>Chesapeake Ballroom / Pre-Function Area</em></td>
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<td></td>
<td>Exhibits Open</td>
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<tr>
<td>8:00 am – 12:00 pm</td>
<td>CONCURRENT BREAKOUT SESSIONS</td>
<td></td>
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<tr>
<td>PAVEMENT BREAKOUT SESSION</td>
<td>鲨鱼河球厅</td>
<td>Shenandoah Junior Ballroom</td>
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<tr>
<td>MODERATOR:</td>
<td>Robert Crandol, PE, Virginia DOT, Materials Division</td>
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<tr>
<td>8:00 am – 8:30 am</td>
<td>Performance Engineered Mixtures (PEM) for Concrete Pavements</td>
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<td>• Gordon Smith, PE, National CP Tech Center</td>
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<tr>
<td>8:30 am – 9:00 am</td>
<td>Lessons Learned and Improvements to Virginia’s Concrete Patching</td>
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<td></td>
<td>• Angela Beyke, PE, Virginia DOT, Materials Division</td>
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<tr>
<td>9:00 am – 9:30 am</td>
<td>Resiliency (Part I) – Perspective from the Concrete Pavement Industry</td>
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<td></td>
<td>• Greg Dean, Carolinas Concrete Paving Association</td>
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<tr>
<td>9:30 am – 10:00 am</td>
<td>FedEx Ground Hub at Charlotte, NC</td>
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<td></td>
<td>• Stan Bland, PE, Southeast Cement Promotion Association</td>
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<td></td>
<td>• Andy Johnson, PhD, PE, Southeast Cement Promotion Association</td>
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<tr>
<td>10:00 am – 10:30 am</td>
<td>BREAK (Exhibits Open)</td>
<td><em>Chesapeake Ballroom / Pre-Function Area</em></td>
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<tr>
<td>MODERATOR:</td>
<td>Andy Johnson, PhD, PE, SCPA</td>
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<tr>
<td>10:30 am – 11:00 am</td>
<td>Roller-Compacted Concrete Shoulders</td>
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<td>• Matt Munsick, Andale Ready Mix, Inc.</td>
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<tr>
<td>11:00 am – 11:30 am</td>
<td>Resiliency (Part II) – Concrete Pavement Solutions</td>
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<td>• Greg Dean, Carolinas Concrete Paving Association</td>
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<td>11:30 am – 12:00 pm</td>
<td>I-95 Cement-Treated Base</td>
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<td>• David Stowell, New Field Incorporated</td>
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<td>12:15 pm</td>
<td>Conference Closing</td>
<td><em>Blue Ridge Ballroom</em></td>
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<td>• Charles “Andy” Babish, PE, Virginia DOT, Materials Division</td>
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**Prize Drawings (Must be present to win)**
**Annual Virginia Concrete Conference**

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### CONCURRENT BREAKOUT SESSION (BRIDGE)

**FRIDAY, FEBRUARY 28**

<table>
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<th>Time</th>
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</table>
| 7:00 am  | Registration & Continental Breakfast  
* (Lobby & Chesapeake Ballroom) |
|          | Exhibits Open  
* Chesapeake Ballroom / Pre-Function Area |
| 8:00 am  | CONCURRENT BREAKOUT SESSIONS                                           |

#### BRIDGE BREAKOUT SESSION

**Blue Ridge Ballroom**

**MODERATORS:** Jacob George, PE, Virginia DOT, Structure and Bridge Division  
Rodolfo Maruri, PE, FHWA, Virginia Division

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<thead>
<tr>
<th>Time</th>
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| 8:00 am  | VDOT Structure & Bridge Design/Construction Practices Recent Updates  
* Junyi Meng, PhD, PE, Virginia DOT, Structure & Bridge Division |
| 8:30 am  | Wilson Boulevard Bridge ABC Replacement over Route 50  
* Edmund Okerchiri, PE, Virginia DOT, NOVA District  
* Ellen Kamilakis, Virginia DOT, NOVA District  
* Kelly Guild, PE, WSP USA |
| 9:00 am  | Designing to Achieve a 100-Year Service Life by Planning & Maintaining Structure  
* Sivaraman Venugopalan, Siva Corrosion Services, Inc. |
| 9:30 am  | I-64 High-Rise Bridge, Fabrication of PSC Girders and Piles  
* Gary Shrieves, Coastal Precast Systems, LLC |
| 10:00 am | BREAK (Exhibits Open)  
* Chesapeake Ballroom / Pre-Function Area |

**MODERATOR:** Ed Page, PE, Concrete Pipe & Precast, LLC

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</table>
| 10:30 am | Use of Pre-Packaged ECC, VHPC, UHPC in Bridge Structures  
* Celik Ozyildirim, PhD, PE, Virginia Transportation Research Council |
| 11:00 am | Beyond Here, There Be Dragons! – Cautionary Tales from Beyond the VDOT  
Bridge Standards and Design Manuals  
* Andy Zickler, PE, Virginia DOT, Structure & Bridge Division |
| 11:30 am | Draped or Debonded Strands & Full-Length Debonding of Strands – Concepts for Economical Design & Fabrication of Prestressed Concrete Members  
* Reid Castrodale, PhD, PE, Castrodale Engineering Consultants, PC |

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</table>
| 12:15 pm | Conference Closing  
* Blue Ridge Ballroom |

**Prize Drawings (Must be present to win)**

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QUIKRETE

Siva Corrosion Services, Inc.

US Foundry

Virginia Transportation Construction Alliance

Whitlock Brothers, Inc.
## SPEAKERS

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## SPEAKERS

<table>
<thead>
<tr>
<th>Name</th>
<th>Title/Position</th>
<th>Organization(s)</th>
<th>Phone</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Matt Munsick</td>
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</tr>
<tr>
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</tr>
<tr>
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</tr>
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</tr>
</tbody>
</table>
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Christopher “Chris” Marston, PE  
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2020 Virginia Concrete Conference App

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