# Tentative technical presentation schedule as of 15 JUN 2016

## Monday, 18 JUL 2016
### 9:30 am - Keynote Lecture
**Structural UHPC: Welcome to the post-concrete era!**
**Professor Eugen Brühwiler,** École Polytechnique Fédérale, Lausanne, Switzerland.

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## Monday, 18 JUL 2016
### 10:00 am - 12:00 pm
**note: concurrent interactive Panel 1 on Structural Design**

### Materials 1
**Moderator:**

| 1 | 1.65 | Green Ultra-High Performance Glass Concrete                           | Alex Zang, Maxime Tardivier, David Li<br>Arou Dhiab & Mojtaba Kazemi |
| 2 | 1.66 | Development of UHPC Using a Ternary Blend of Ultra-Fine Class F Fly Ash, Meta-kiesel and Portland Cement | Torello Tadeo, Taoxian Cao, Hongwei Fan, Elif Ucer, Macri Lluch |
| 3 | 1.67 | Analyzing Effects of Various Silica Fume Sources within Baseline UHPC | Jun Xia, Jun Xu, Shaoming Lian, Xiuchao Xu, Lu Hu |
| 4 | 1.68 | The applications of mine tailings to develop low cost UHPC            | Andrew Zang, Maxime Tardivier, David Li<br>Arou Dhiab & Mojtaba Kazemi |

### Material Behavior 1
**Moderator:**

| 1 | 1.69 | Behavior of Ultra-High-Performance-Concrete at Early Age Experiments and Simulations | Keely L. Parry, Lamta El-Minghali, Stathis Tsarouchas |
| 2 | 1.70 | Influence of Cement Type and Type and Type of Aggregate on the Fresh and Hardened Properties of UHPC and HPC | Michael Brey, Sreelakshmi Ramesh, Hoang Kim |
| 3 | 1.71 | Fiber Reinforcement Influence on the Tensile Response of UHPPHC | Jun Xu, Shaoming Lian, Xiuchao Xu, Lu Hu |
| 4 | 1.72 | Experimental investigations on the cracking in the post cracking tensile behavior of UHPPHC | Jun Xu, Shaoming Lian, Xiuchao Xu, Lu Hu |

### Bridges 1
**Moderator:**

| 1 | 1.73 | "An Innovative Technology for Accelerated Bridges - From Concept to Implementation - The Owner-Designer Dilemma" | Hartanto Wibowo, Vidya Sagar Ronanki, Zhengqi Li |
| 2 | 1.74 | Design and Construction of Illinois’ First Precast Deck Panel Bridge with UHPC Joints | W. Parry, A. Schott, Mathieu Roze |
| 3 | 1.75 | Utilization of Ultra-High Performance Concrete (UHPC) in New York | A. Parry, J. Nielsen, A. Storch, A. Vickery, A. Vachary |
| 4 | 1.76 | Application of Ultra High Performance Concrete in Expediting the Replacement and Rehabilitation of Highway Bridges | W. Parry, A. Schott, Mathieu Roze |
| 5 | 1.77 | Overjoy Dust®, a durable solution for bridges retrofitting | W. Parry, A. Schott, Mathieu Roze |

## Monday, 18 JUL 2016
### 2:00 pm - 5:00 pm
**note: concurrent interactive Panel 2 on Bridges - Part 2**

### Architectural Modifiers
**Moderator:**

| 1 | 2.78 | Elimination of Pattern Production in Geometrically Complex UHPC Forms | Keely L. Parry, Lamta El-Minghali, Stathis Tsarouchas |
| 2 | 2.79 | Pressurized Sandwich Beams with UHPC Covers | Michael Brey, Sreelakshmi Ramesh, Hoang Kim |
| 3 | 2.80 | Development of Stay-In-Place Formwork Using GPFR Reinforced UHPC Elements | Jun Xu, Shaoming Lian, Xiuchao Xu, Lu Hu |
| 4 | 2.81 | UHPC-RC for Architectural Structural Columns with Non-Slenderness Geometries | Jun Xu, Shaoming Lian, Xiuchao Xu, Lu Hu |

### Material Behavior 2
**Moderator:**

| 1 | 2.82 | UHPC- and HPC in Severe Environmental Conditions, Resistance Against Freeze-thaw Cycles, Aggressive Chemical Agents and Dynamic Loading | Keely L. Parry, Lamta El-Minghali, Stathis Tsarouchas |
| 2 | 2.83 | Effect of Different Curing Regimes on Strength and Transport Properties of UHPC Containing Recycled Steel Tow Woven as Micro Steel Fibers | Michael Brey, Sreelakshmi Ramesh, Hoang Kim |
| 3 | 2.84 | Effect of Silica Powder and Cement Type on Durability of Ultra-High-Performance Concrete (UHPC) | Michael Brey, Sreelakshmi Ramesh, Hoang Kim |
| 4 | 2.85 | Maternal Level Evaluation of Different Commerially Available UHPC Glass Materials | Jun Xu, Shaoming Lian, Xiuchao Xu, Lu Hu |

### Structures 1
**Moderator:**

| 1 | 2.86 | Effect of Extreme Temperatures on the Coefficient of Thermal Expansion for Ultra-High Performance Concrete | Keely L. Parry, Lamta El-Minghali, Stathis Tsarouchas |
| 2 | 2.87 | Three Dimensional Fracture Material Model for Ultra-High Performance Fiber Reinforced Concrete under Tensile Loading | Keely L. Parry, Lamta El-Minghali, Stathis Tsarouchas |

## Monday, 18 JUL 2016
### 5:00 pm - 8:00 pm
**note: concurrent interactive Panels on (2) Bridges - Part 2, and (3) Architectural Design**

### Materials 2
**Moderator:**

| 1 | 2.88 | A New Mix-Design Method for UHPC based on Steepest Optimization of Particle Parking Density | Keely L. Parry, Lamta El-Minghali, Stathis Tsarouchas |
| 2 | 2.89 | Influence of Steel Fibres and Matrix Composition on the Properties of UHPPHC | Michael Brey, Sreelakshmi Ramesh, Hoang Kim |
| 3 | 2.90 | Material Efficiency in the Design of UHPC Paste | Keely L. Parry, Lamta El-Minghali, Stathis Tsarouchas |

### Structures 2
**Moderator:**

| 1 | 2.91 | Characterization of high strength cement paste with pristine graphite and heptane graphite emulsion | Keely L. Parry, Lamta El-Minghali, Stathis Tsarouchas |
| 2 | 2.92 | The First North American Broad Based Structural Design Guide on UHPC - ACI 239C | Keely L. Parry, Lamta El-Minghali, Stathis Tsarouchas |
| 3 | 2.93 | Small scale shear connectors -HPC/SHPC | Keely L. Parry, Lamta El-Minghali, Stathis Tsarouchas |
| 4 | 2.94 | Development length of reinforcing bars in UHPC; An experimental and analytical investigation | Keely L. Parry, Lamta El-Minghali, Stathis Tsarouchas |

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*IIS-UHPC draft presentation schedule as of 15JUN2016.xlsx* page 1 of 2
### Wednesday 20 July 2016
**10:50am - 12:30pm**
**title:** Concurrent Interactive Panel II on Material Characterization

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<td>Influence of Steel Fiber Size and Shape on Quasi-Static Mechanical Properties and Dynamic Impact Properties of Ultra-High-Performance Concrete</td>
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<td>Effect of Design Parameters on the Blast-Response of Ultra-High-Performance Concrete Columns</td>
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<td>The Effect of Casting Flow Defects on the Flexural Behavior of 2-way UHPC Plates Investigated by Digital Image Correlation and Magnetic Assessment</td>
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<td>The Effect of Loading on the Flexural Behavior of UHPC Bridge Deck Slabs</td>
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<td>Effects of Fiber Reinforcement on the Dynamic Behavior of UHPC</td>
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<td>In-service Performance of Different UHPC-Class Materials in Prefabricated Bridge Deck Connections</td>
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### Wednesday 20 July 2016
**11:30am - 12:30pm**
**title:** Concurrent Interactive Panel II on Rehabilitation & Retrofitting - Part 1

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### Wednesday 20 July 2016
**2:00pm - 3:10pm**
**title:** Concurrent Interactive Panel II on Rehabilitation & Retrofitting - Part 2 and Mixtures Proportioning

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<td>Mechanical behavior of UHPPRC thin plate reinforced with externally bonded CFRP sheet</td>
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<td>Flexural failure modes of ribbed triangular UHPPRC plates: experimental and numerical investigation</td>
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<td>Performance of UHPPRC Plates under Repeated Impact Load</td>
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### Wednesday 20 July 2016
**1:30pm Keynote Lecture**
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