PROGRAM OVERVIEW

WEDNESDAY, 30 May 2018

17:00  Venue: University of Artois, Arras,  
       *UFR Langues Etrangères, Hall*

20:00  Gala dinner:  
       Restaurant *Le Pré Fleuri*  
       38 Route de Lens  
       62223 Saint Catherine Les Arras

*A bus will be ensured between the University of Artois and the restaurant and  
Participants of the Round Robin Test will arrive directly by bus at the Restaurant*

THURSDAY, 31 May 2018 - International Workshop

8:30 - 9:00  Venue: University of Artois, *UFR Langues Etrangères*  
             Auditorium ‘*Verlaine*’

9:00 - 9:30  Opening ceremony  
             Welcome speech : Chair Persons: Pr. C. Djelal – Pr. Y. Vanhove  
             Opening Speech : Pr. P. Mammone, President of the University of Artois  
             Pr. M. Sonebi, Board Chairman of the RILEM Committee 266-MRP,  
             Queen’s University of Belfast

Keynote reports

09:30-10:00  Influencing Factors and Models to Predict Form Pressure Exerted by SCC  
             K.H. Khayat

10:00-10:30  DFG Priority Program SPP 2005 OPUS FLUIDUM FUTURUM – Rheology of reactive,  
             multiscale, multiphase construction materials  
             V. Mechtcherine

10:30-10:50  Tea/Coffee Break
**SESSION ONE**

*Challenges and recommendations on measuring rheological properties of cement-based materials*

University of Artois, UFR Langues Etrangères, Auditorium Verlaine

**Chair:** F. Fabbris & D. Feys

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>10:50-11:20</td>
<td>Evaluation of mortar mixing procedures using squeeze flow test</td>
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<td><strong>F. Cardoso</strong></td>
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<td>11:20-11:50</td>
<td>Characterization of rheological properties of SCC with loss of workability – Approach with two rheometers: ICAR and RheoCAD</td>
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<td><strong>E. Agnaou</strong></td>
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<td>11:50-12:20</td>
<td>Rheological measurement on concrete: constitutive models, industrial applications, building techniques issues</td>
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<td><strong>F. Fabbris</strong></td>
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<td>12:20-13:30</td>
<td>Lunch (EGASS building, Room S3)</td>
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<td>13:30-14:00</td>
<td>Segregation of cement grouts during their rheological measurements</td>
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<td><strong>B.T. Pham</strong></td>
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<td>14:00-14:30</td>
<td>Image processing of shear flow in a vane rheometer for clay mineral suspensions</td>
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<td><strong>A. Pierre</strong></td>
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<td>14:30-15:00</td>
<td>Assessment of the sedimentation stability of fresh concrete</td>
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<td><strong>J. Neumann</strong></td>
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<td>15:00:15:30</td>
<td>Rheometry of Cement-based materials</td>
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<td><strong>J. Sabathier</strong></td>
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<td>15:30-15:50</td>
<td>Tea/Coffee break</td>
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<td>15:50-16:20</td>
<td>The Effect of Shear Rate on Rheological Properties of Cement Paste</td>
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<td><strong>D. Feys</strong></td>
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<td>16:20-16:30</td>
<td>Closing ceremony</td>
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<td><strong>C. Djelal and Y. Vanhove</strong></td>
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SESSION TWO
New tools and procedures to measure rheological properties
University of Artois, UFR Langues Etrangères, Room LV3
Chair: Pr. K.H. Khayat & S. Darson

10:50-11:20
FlowCyl: one-parameter cement paste rheology test developed at NTNU
R. Cepuritis

11:20-11:50
eFlow - A Pocket Concrete Rheometer
F. Toussaint

11:50-12:20
Digital fabrication of concrete: it is time to define the rheology 3D printing
M. Sonebi

12:20-13:30
Lunch (EGASS building, Room S3)

13:30-14:00
New tests for Tremie Concrete: EFFC/DFI/FNTP works
S. Darson

14:00-14:30
Use of computational software to determine rheological properties of high resistance Portland cement pastes
L. Agostinho

SESSION THREE
Application on rheological properties in practical situations
University of Artois, UFR Langues Etrangères, Room LV1
Chairs: Pr. V. Mechtcherine

10:50-11:20
A rheological study of mortars based on geopolymer binder: effect of the formulation parameter
E. Ghorbel

11:20-11:50
Rheological behavior of concrete foundation during Pile-driving operations
Y. Vanhove

11:50-12:20
Rheological characterization of Pre-packaged grouts for posttensioning applications
K. Mohan Manu
SESSION FOUR
Measurement and application of non-conventional rheological properties
University of Artois, UFR Langues Etrangères, Room LV1
Chairs: T. Proske

13:30-14:00 Recommendations on the formulation of concrete foundation for the diaphragm walls – Application to building site of grand Paris
A. Azzi

14:00-14:30 Shear Behavior of Fresh Concrete under variable Pressure – Development of a specific Testing Device
T. Proske

14:30-15:00 A new material tester - The concrete tribometer
M. Fajrowski

15:00-15:30 Emulsions effects on the friction on the formwork/concrete interface
L. Libessart

POSTER SESSION
University of Artois, EGASS building, Room S3

RILEM Committee MRP-266
Room LV1
17:00-18:30
Pr. M. Sonebi & D. Feys