



## Contents

I.	Editorial.....	1
II.	Reports from the Standing Committees, Spring meetings, Detroit, USA, 29 March 2017 .	2
III.	Upcoming RILEM Week, Chennai, India, 3-8 September 2017.....	4
IV.	RILEM News Flashes .....	5
V.	Welcome to our new RILEM members .....	6
ANNEX : Draft Timetable 71 <sup>st</sup> RILEM Annual Week Chennai, India .....		9

## I. Editorial

### Words are important

“Words are important”, that is just what Thomas Lyle Flick former American football quarterback highlighted in his very inspiring and motivating keynote address “Leadership in a Faster Moving World” at the opening session of the ACI Concrete Convention and Exposition in Detroit. We were indeed happy to be able to be at the ACI Convention in Detroit this last March with a RILEM delegation to liaise with our American colleagues on the occasion of the RILEM 2017 Spring meeting, which was upon kind invitation of ACI held in connection with their Spring Convention. We received a warm welcome from the ACI staff and a lot of effort had been put by them into integrating the RILEM meetings in the already very busy and huge ACI event. With the much appreciated help at our side of our RILEM Convener for North America Kamal Khayat, the RILEM staff had also been able to raise a good attendance and mark our presence with a RILEM booth at the ACI Convention, and a RILEM Annual Report 2017, which was specially edited for the occasion and which was distributed to the participants.

In a number of interesting common sessions, there was plenty of opportunity to put RILEM work under the spotlight. We had also our own RILEM session on Wednesday morning 29/03 at which occasion the Colonnetti Awards were bestowed on Enrico Sassoni and Gaurav Sant. But Enrico and Gaurav were not our only RILEM awardees, we may indeed also be proud of Viktor Mechtcherine and Kamal Khayat who were awarded respectively the Wason Medal for Materials Research, and the prestigious J.C. ROUMAIN Innovation in Concrete award. Further information on all these issues can be found in this RILEM Newsletter.

Clearly the organization of the RILEM Spring meeting at ACI’s home base in Detroit, in the context of our International Partnership Agreement with ACI, was a really a success, that is to say “except

for the spring weather in Detroit which was worse than Autumn in Cape Town” as Mark Alexander could testify, ...

As concluding words following the recommendation of Thomas Flick “we were happy to have all those who collaborated to make Detroit a success on the team and we are looking much forward to be able to meet you all in some of the upcoming events”

See you soon in Chennai.

Johan, Ravindra, Mark

## II. Reports from the Standing Committees, Spring meetings, Detroit, USA, 29 March 2017

### A) DAC meeting on Wednesday 29 March 2017

The DAC’s feedback was very positive regarding the two documents issued at the beginning of the year: the new RILEM flyer and the 2017 Annual Report. However, the DAC brought to the Secretariat’s attention some pictures showing persons who are not wearing security equipment as requested by the law in different countries. Future pictures should be chosen with careful attention. Furthermore the DAC underlines that it would be important to highlight more in detail the technical activity of RILEM i.e. the work in the TCs which is the cornerstone of RILEM’s work. It has therefore been proposed to publish an Annual Technical Report and ask each TC Chair/Secretary half a page describing the objectives of the TC and the progress of their work along with one or two pictures to illustrate their work. The DAC thanks all contributors for their pictures and texts.

The DAC is looking for a Convener of the East Asia region. If you have any suggestion, please send them to the Secretariat General.

### B) TAC meeting on Wednesday 29 March 2017

Three new Technical Committees were approved and created following the Spring Meetings:

- **TC LHS** - Specifications for testing and evaluation of lime-based repair materials for historic Structures, to be chaired by **Ioanna Papayianni Papadopoulou**.
- **TC WMR** - Valorisation of Waste and Secondary Materials for Roads, to be chaired by **Lily Poulidakos**.
- **TC CBE** - Multiphase characterisation of cold bitumen emulsion materials, to be chaired by **Andrea Graziani**.

All RILEM members interested to actively contribute to the work of these newly created committees are requested to contact the RILEM secretariat.

Any RILEM member may propose the formation of a new technical committee using the required form (TAC-N10 which can be downloaded [on the RILEM Website](#)). **41 technical committees** are currently active. A complete [list of all active RILEM technical committees](#) can be found on the RILEM website.

**Gaurav Sant** was nominated and approved by the Bureau as an additional expert in TAC.

### C) Robert L'Hermite and Gustavo Colonnetti Medals

TAC Chair **Nicolas Roussel** chaired the jury of the 2017 Robert L'Hermite Medal and 2017 Gustavo Colonnetti Medals.

The Robert L'Hermite Medal was awarded to **Ueli Angst**, ETH Zürich, Switzerland. He will give a lecture on «Challenges and research opportunities in corrosion of steel in concrete» during the RILEM Annual Week on Thursday 7 September in Chennai, India.



Ueli Angst

Two Gustavo Colonnetti Medals were awarded:

- **Gaurav Sant**, UCLA, USA. He gave a lecture on "Silicate dissolution in cementitious environments: The origin of rate controls and their implications on chemical reactivity and durability" on Wednesday 29 March 2017 at the ACI Spring Convention in Detroit, USA. You can watch the video of his lecture on the RILEM YouTube Channel: <https://youtu.be/0WXLau8wZhQ>
- **Enrico Sassoni**, University of Bologna, Italy. He gave a lecture on "Phosphate-based treatments for conservation of stone" on Wednesday 29 March 2017 at the ACI Spring Convention in Detroit, USA. His lecture can also be watched on [www.youtube.com/RILEMChannel](http://www.youtube.com/RILEMChannel) or using the direct link: [https://youtu.be/B6\\_RFvDgYo8](https://youtu.be/B6_RFvDgYo8)



Gaurav Sant, Nicolas Roussel, Enrico Sassoni

## D) Materials and Structures

**Laura de Lorenzis**, Technical University of Braunschweig, Germany, is stepping back as Deputy Editor in Chief and is being replaced by **Giovanni Plizzari**, University of Brescia, Italy, as Deputy Editor in Chief. Many thanks are conveyed to Laura for her dedication over the past year in looking especially over structural papers being submitted to Materials & Structures.

Volume 50, Issue 2 of our flagship journal M & S has just been published, please find the table of content [here](#).

## E) RILEM Technical Letters

The RTL editorial board was presented and approved by the Bureau. Following members will be on the board: **Ueli Angst**, **Susan Bernal**, **Alexandra Bertron**, **Emmanuel Chailleux**, **Robert Flatt**, **Guillaume Habert**, **Enrico Sassoni**, **Ruben Snellings**. The Editor in Chief is **Nicolas Roussel** and the Deputy Editor in Chief is **Pietro Lura**. As Editorial Manager **Mateusz Wyrzykowski** is taking care of all practical issues related to running the journal.

## III. Upcoming RILEM Week, Chennai, India, 3-8 September 2017



Chennai Central Station & Ripon building

**The 71<sup>st</sup> RILEM Annual Week 2017 will be held in Chennai, India in conjunction with the International Conference on Advances in Construction Materials and Systems**

**3-8 September 2017**

For more information please consult the conference website:  
<http://www.rilem2017conference.org/>

**All RILEM Members** are warmly invited to the Annual Week in Chennai in September 2017. It is reminded that all RILEM Members present at the General Council have voting rights.

Invitations to the 71<sup>st</sup> RILEM Annual Week will be sent shortly to all RILEM members.

## A) Technical Day

The Technical Committee presentations and the Robert L'Hermitte Medalist lecture will be scattered across the conference as keynote lectures. Following presentations are planned:



- **TC 243-SGM** Specifications for non-structural grouting of historic masonries and architectural surfaces, chaired by **Caspar Groot**
- **TC-238-SCM** Hydration and microstructure of concrete with supplementary cementitious materials, chaired by **Nele de Belie**
- **TC-241-MCD** Mechanisms of Cracking and Debonding in Asphalt and Composite Pavements, chaired by **William Buttlar** (confirmed)
- **TC 247-DTA** Durability testing of alkali-activated materials, chaired by **John Provis** (confirmed)
- **TC 249-ISC** Non destructive in situ strength assessment of concrete, chaired by **Denys Breysse**

The presentation of the Robert L’Hermite lecture «Challenges and research opportunities in corrosion of steel in concrete» by **Ueli Angst** is planned on Thursday 7 September.

## B) Technical Committee Meetings

Some time slots before and after the conference are still available for Technical Committee meetings. All TC Chairs are invited to have a look at the attached timetable (**Annex – Draft Timetable for Chennai**). It is not too late to book a room, which you can do via the RILEM Secretariat.

## IV. RILEM News Flashes

- RILEM has a new **flyer** and for the first time an **Annual Report was published**. PDF versions of the Flyer and annual report 2016 are available on the website. If you wish to receive hard copies, please inform the Secretariat. We can also send flyers for your conference, please let us know if you are interested.
- Following the success of the **RILEM booth** at ACI Spring Convention, RILEM will have a booth as well at the *fib* symposium in Maastricht, Belgium on 12-14 June 2017. If you attend the symposium, please pay us a visit!



- We remind you that an updated **directory of RILEM members** is available on the website in your private area. This Directory is regularly updated. You can also find under your documents/General Council a **general presentation** of RILEM.

➤ New **unedited STARS** and **Recommendations** are available for free downloading on the website:

- Unedited version of A Framework for Durability Design with Strain-Hardening Cement-Based Composites (SHCC) - TC 240-FDS. Edited by Gideon van Zijl & Volker Slowik.
- Unedited version of Bio-Aggregates Based Building Materials - TC 236-BBM. Edited by Sofiane Amziane & Florence Collet
- Recommendation of RILEM TC 232-TDT: test methods and design of textile reinforced concrete
- Recommendation of RILEM TC 237-SIB on complex Poisson's ratio characterization of bituminous mixtures
- Recommendation of RILEM TC 246-TDC: test methods to determine durability of concrete under combined environmental actions and mechanical load
- Recommendation of the RILEM TC 236-BBM: characterisation testing of hemp shiv to determine the initial water content, water absorption, dry density, particle size distribution and thermal conductivity

**Follow us on social media to get the information in real time!**



## V. Welcome to our new RILEM members

RILEM is very pleased to welcome all the new members indicated below. We look forward to a long and fruitful association with our new members!

### **3 CORPORATE Members:**

Prof. Milos DRDACKY, Institute of Theoretical and Applied Mechanics, CZECH REPUBLIC  
Dr. John HUGHES, University of the West of Scotland, UNITED KINGDOM  
Mrs Edith TARTARI, SELENICE BITUMI SHA, ALBANIA

### **32 SENIOR Members:**

Dr. Nevin ALY, Faculty of Petroleum and Mining Engineering, Suez University, EGYPT  
Dr. Kevin BECK, PRISME - Polytech Orléans, FRANCE  
Dr. Rene BRÜCKNER, Mott MacDonald, UNITED KINGDOM  
Dr. Richard BUSWELL, Loughborough University, UNITED KINGDOM  
Prof. Dr. Dong Uk CHOI, Honkyong National University, REPUBLIC OF SOUTH KOREA  
Dr. Derek CONG, Wiss, Janney, Elstner Associates, Inc., UNITED STATES  
Dr. Galal FARES, King Saud University, SAUDI ARABIA  
Dr. Steven FELDMAN, NIST, UNITED STATES  
Dr. Satoshi FUJIMOTOU, Tsunomiya University, JAPAN  
Dr. Roberto GAGGIANO, ONDRAF/NIRAS, BELGIUM  
Dr. Martin GRÜBE, University of Graz, AUSTRIA  
Dr. Ailar HJIMOHAMMADI, University of Melbourne, AUSTRALIA

Prof. Burkan ISGOR, Oregon State University, UNITED STATES  
Prof. Iqbal KHAN, King Saud University, SAUDI ARABIA  
Dr. Markus KRÜGER, Technical University of Graz, AUSTRIA  
Prof. Dr. Tung-Chai LING Hunan University, PEOPLE'S REPUBLIC OF CHINA  
Mrs Ena LLORET-FRITSCHI, DFAB ETH Zurich, SWITZERLAND  
Prof. Milena MARROCCOLI, University of Basilicata, ITALY  
Prof. Fernando MARTINEZ ABELLA, Fundaciòn de la Ingenieria Civil de Galicia, SPAIN  
Dr. Arun MENON, Indian Institute of Technology Madras, INDIA  
Dr. Vasiliki PACHTA, ELKE APTH / Aristotle University of Thessalonki, GREECE  
Prof. Francesca PIQUE, University of Applied Sciences and Arts of Southern Switzerland, SWITZERLAND  
Dr. Fabrice ROJAT, CEREMA Centre Est, FRANCE  
Dr. David ROTHSTEIN, DRP, A Twining Company, UNITED STATES  
Dr. Alberto A. SAGUES, University of South Florida, UNITED STATES  
Prof. Enrico SASSONI, University of Bologna, ITALY  
Gumersinda SEARA PAZ, Fundaciòn de la Ingenieria Civil de Galicia, SPAIN  
Prof. Heiner SIEDEL, Technische Universität Desden, GERMANY  
Prof. Maria STEFANIDOU, Aristotle University of Thessaloniki, GREECE  
Prof. Antonio TELESCA, Università degli Studi della Basilicata, ITALY  
Dr. Humberto VARUM, University of Porto - Faculty of engineering, PORTUGAL  
Prof. Jun YANG, Institute of Highway and Railway engineering, PEOPLE'S REPUBLIC OF CHINA

### **13 AFFILIATE Members:**

Dr. Edoardo BOCCI, Università degli Studi Ecampus, ITALY  
Dr. Kendra ERK, Purdue University, UNITED STATES  
Dr. Isaac GALO BARDES, Xi'an Jiaotong-Liverpool University, PEOPLE'S REPUBLIC OF CHINA  
Dr. Katsufumi HASHIMOTO, Kyoto University, JAPAN  
Dr. Shan-Shan HUANG, University of Sheffield, UNITED KINGDOM  
Dr. Rogiros ILLAMPAS, UNIVERSITY OF CYPRUS, CYPRUS  
Ms Sabina KARACIC, Chalmers University of Technology, SWEDEN  
Ms Michalina MAKOWSKA, Aalto University, FINLAND  
Dr. Fionn McGREGOR, ENTPE-LTDS, FRANCE  
Dr. Marco PEPE, University of Salerno, ITALY  
Dr. Chiara VILLANI, BASF Corporation, UNITED STATES  
Dr. Jin XIA, Zhejiang University, PEOPLE'S REPUBLIC OF CHINA  
Dr. Qian-Qian YU, College of Civil Engineering, PEOPLE'S REPUBLIC OF CHINA

### **17 STAFF Members:**

Ms. Natalia ALDERETE, Ghent University, BELGIUM  
Dr. Quoc-bao BUI, Université Savoie Mont Blanc, France  
Dr. Gaochuang CAI, Ghent University, BELGIUM  
Ms Anne-Cécile GRILLET, Université Savoie Mont-Blanc, France  
Ms Laura KUPERS, BBRI, BELGIUM  
Mr. Histesh LAKHANI, MPA University of Stuttgart, GERMANY  
Mr. Zhenming LI, Delft University of Technology, THE NETHERLANDS  
Dr. Davide LO PRESTI, University of Nottingham, UNITED KINGDOM  
Mr. Samuel MEULENYZER, Lafarge Holcim R&D, FRANCE  
Dr. Lotfollah PAHLAVAN, TNO, THE NETHERLANDS  
Mr. Patrick PASCAL, SELENICE BITUMI SHA, ALBANIA

Dr. Noémie PRIME, Université Savoie Mont-Blanc, FRANCE  
Prof. Milan RADOSAVLJEVIC, University of the West of Scotland, UNITED KINGDOM  
Mr. Tim VAN MULLEM, Ghent University, BELGIUM  
Prof. Monika WOLOSZYN, Université de Savoie Mont Blanc, France  
Ir. Shizhe ZHANG, Delft University of Technology, THE NETHERLANDS  
Dr. Wenzhong ZHU, University of Paisley, UNITED KINGDOM

## **2 STUDENTS Members:**

Mr. Sol Moi PARK, Korea Advanced Institute of Science and Technology (KAIST),  
REPUBLIC OF SOUTH KOREA  
Mr. Joseph SHERIDAN, Queen's University, UNITED KINGDOM



International union of laboratories  
and experts in construction materials,  
systems and structures

For all questions concerning RILEM activities and publications, please contact:

Mrs Pascale DUCORNET  
RILEM General Secretary  
4 avenue du Recteur Poincaré  
75016 Paris FRANCE  
E-mail: [pducornet@rilem.org](mailto:pducornet@rilem.org)



## ANNEX : Draft Timetable 71<sup>st</sup> RILEM Annual Week Chennai, India

<b>Sun 03/09/2017</b>	<b>IIT Madras</b>	
	9:30 – 12:30	EAC
	12:30 – 1:30	Lunch
	1:30 – 3:30	TAC DAC
	3:30 – 4:00	Break
	4:00 – 5:30	TAC DAC
<b>Mon 04/09/2017</b>	<b>IIT Madras</b>	
	9:00 – 11:00	TAC DAC
	11:00 – 11:30	Break
	11:30 – 1:00	TAC DAC
	1:00 – 2:00	Lunch
	2:00 – 3:30	Dev
	3:30 – 4:00	Break
	4:00 – 5:30	BoE
	6:00	Welcome Reception at IIT Madras
<b>Tue 05/09/2017</b>	<b>Leela Palace</b>	
	9:00 – 11:00	Plenary session1/Inauguration
	11:00 – 11:30	Break
	11:30 – 1:00	Bureau
	1:00 – 2:00	Lunch
	2:00 – 3:30	Bureau
	3:30 – 4:00	Break
	4:00 – 5:30	Bureau
		RILEM Banquet (venue tbc)
<b>Wed 06/09/2017</b>	<b>Leela Palace</b>	
	9:00 – 11:00	Bureau
	11:00 – 11:30	Break
	11:30 – 1:00	Bureau
	1:00 – 2:00	Lunch
	2:30 – 3:30	GC
	3:30 – 4:00	Break
	4:00 – 5:30	GC
		Conference Dinner at Leela Palace
<b>Thu 07/09/2017</b>	<b>Leela Palace</b>	
	9:00 – 11:00	Plenary Session 3/Robert L'Hermite
	11:00 – 11:30	Break
	11:30 – 1:00	
	1:00 – 2:00	Lunch
	2:00 – 3:30	
	3:30 – 4:00	Break
	4:00 – 5:30	