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### I. Editorial by RILEM Honorary President Prof. Jay Sanjayan



The RILEM week 2015 will be held in conjunction with Concrete 2015 (the 27th Biennial National Conference of the Concrete Institute of Australia) in Melbourne, Australia from 30 August to 2 September 2015.

The Conference Organising Chairman, Professor Jay Sanjayan, invites all RILEM members to be part of this joint event which will focus on the theme 'Research into Practice' and is dedicated to bringing industry and researchers together. The biennial conference is a major event in the calendar of the Australasian concrete industry. The sponsorships and exhibition spaces for this event have already been sold out and the event is expected to draw more than 500 attendees from Australia and Asian regions.

The early registration closes by 29 May 2015. RILEM members will receive a substantial discount on registration fees if registered by this date. To receive the RILEM discount, please enter the code in the online registration Promo Code box (<http://www.rilem2015.com> follow the links to Registration).

The RILEM banquet will be hosted by the conference organisers on Wednesday 2 September for all RILEM members. Any of the RILEM members who are not planning to register for the conference but planning to be there in Melbourne, are also welcome to the RILEM banquet. However, please inform your intention to attend by emailing me ([jsanjayan@swin.edu.au](mailto:jsanjayan@swin.edu.au) with cc: to the RILEM General Secretariat).

I look forward to meeting you at Concrete 2015 in Melbourne.

Jay Sanjayan

## **II. Reports from the Standing Committees, Spring meetings in Paris, 16-17 March 2015**

### **A) DAC meeting on Monday 16 March 2015**

Roberto Torrent, who is DAC Chair since September 2013, has accomplished major organizational work in this new Standing Committee. The Regional Groups have been defined with the corresponding Regional Conveners. The DAC experts were assigned with the mission of reinforcing the industrial profile of RILEM and of strengthening the relationships with other organisations, particularly with the fib and ACI.

Robert Torrent will leave his position as DAC Chair in September 2015 in Melbourne. The Bureau offered congratulations and appreciations through the President who thanked him for his energetic role in DAC and his already accomplished ambitious programme.

### **B) TAC meeting on Monday 16 March 2015**

Two new technical committees were created during the Spring Meetings in Paris, France:

- TC MRP on Measuring Rheological Properties of Cement-based Materials, chaired by Mohammed SONEBI, Cluster A.
- TC RAP on Asphalt Pavement Recycling, chaired by Gabriele TEBALDI, Cluster F.

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

Further, any RILEM member may propose the formation of a new technical committee, on the required Form (TAC-N10 Proposal for a new RILEM Technical Committee which can be downloaded [here](#)). 36 technical committees are currently active. A complete list of all active RILEM technical committees can be found on the RILEM website: <http://www.rilem.net/gene/main.php?base=600024>

TAC Chair Nicolas Roussel chaired the jury of the 2015 Robert L'Hermite Medal. The Medal was awarded to Guillaume Habert, IETH Zürich, Switzerland. The Jury was impressed by the large number of candidates who submitted their work (19 in total), the high level and the young age of some candidates. It was difficult to decide between these skilled candidates. In light of their young age and excellence, Nicolas Roussel proposes to create a new Medal for the younger researchers. The Bureau approves this very positive idea and requests TAC members to present its thoughts in Melbourne.

### C) EAC Activities

The EAC does not customarily meet during the Spring Meetings. However Prof. Doug Hooton, the new EAC Chair nominated in September 2014, presented his report on EAC ongoing activities to the Bureau on March 17. Two new events have been approved, namely:

- High-Performance Fibre-Reinforced Cement-Based Composites (HPFRCC) for Future Infrastructure, Dresden, Germany on 26-31 July 2015.
- High-Performance Concrete, Nanjing, China on 7-11 September 2015.

Participation to an EAC course makes postgraduate students eligible for a three years RILEM free membership.

The EAC membership will be renewed for the most part in September 2015 in Melbourne. The TAC Chair is now member ex-officio of EAC.

You can find all EAC activities, including the new events mentioned above, on the EAC page: <http://rilem.net/gene/main.php?base=600049> and on the EAC calendar page: <http://rilem.net/gene/main.php?base=600042>

### D) Materials and Structures

With a blossoming Journal, the number of submissions have increased by 3 in the last five 5 years. A second Deputy Editor has been nominated: Dr. Pietro Lura (EMPA, Switzerland).

New Associate Editors will also be nominated to reinforce the team with AE coming from structures, physio chemistry and cement, testing and transport.

## III. Upcoming RILEM Week

69<sup>th</sup> RILEM Annual Week 2015 in Melbourne, Australia ([www.concrete2015.com](http://www.concrete2015.com))



All RILEM Members are warmly invited to the Annual Week in Melbourne in September 2015. Prof. Jay Sanjayan, our Honorary President for 2015, has indicated this in his opening words at the beginning of this Newsletter.

The Conference and the RILEM Annual Week will take place at Pullman Albert Park (65 Queen St, Albert Park VIC 3004). Invitations to the 69th RILEM Annual Week will be sent shortly to the RILEM members.

Concrete 2015 Registration: <https://ei.eventinfotech.com.au/ei/rs.esp?id=1199&scriptid=HOME>  
There is a discount for RILEM Members (Promo code to enter on the first page of the online registration form of the conference). If you forgot the promo code, please send a request to the General Secretariat and we will send the code to you.

#### A) Technical Day

There will be no Technical Day. Instead there will be the lecture 'Paving the path toward sustainable concrete' by the 2015 Robert L'Hermite Medalist during the Keynote Presentation on Wednesday 2 September and 4 TC presentations spaced during the conference. The TC presentations will be the lead presentation of the session of the same topic during the Conference.

- Technical Committee 237-SIB / Testing and characterization of sustainable innovative bituminous materials and systems  
Chair and lecturer: Prof. Manfred PARTL
- Technical Committee 239-MCM / On-site measurement of concrete and masonry structures by visualized NDT  
Chair and lecturer: Prof. Masayasu OHTSU
- Technical Committee 240-FDS / A framework for durability design of fibre-reinforced strain-hardening cement-based composites (SHCC)  
Chair and lecturer: Prof. Gideon VAN ZIJL
- Technical Committee 248-MMB / Methods of measuring moisture in building materials and structures  
Chair and lecturer: Prof. Lars-Olof NILSSON

#### B) Technical Committee Meetings

Some time slots are still available for technical committee meetings. We invite all TC Chairs to have a look at the attached timetable (Annex – Draft Timetable for Melbourne). It is not too late to book a room, which you can do via the RILEM SG.

### IV. 2015 Robert L'Hermite Medalist: Prof. Guillaume Habert



The Jury for the 2015 Robert L'Hermite Medal composed of Dr. Nicolas Roussel (Jury President and Chair of the RILEM Technical Activities Committee), Prof. Jason Weiss (Editor in Chief of the journal Materials and Structures), Dr. Esperanza Menéndez Méndez and Prof. Giovanni Plizzari examined the list of authors who met the criteria for the award, being under 40 years of age in 2014 and having performed high level scientific research in the field of 'Building Materials and Structures'.

Guillaume Habert has been selected for this award for his pioneering work on environmental analysis of building materials and processes along with his contribution to the development and understanding of alternative materials such as geopolymers and recycled products.

He will present his lecture 'Paving the path toward sustainable concrete' during the 69th RILEM Annual Week in Melbourne, Australia, on Wednesday 2 September 2015.

## V. Japan Concrete Institute 50th Anniversary and renewal of the Partner Agreement JCI-RILEM

In July 2015, the Japan Concrete Institute will celebrate its 50th Anniversary, in which the RILEM President Prof. Mark Alexander will participate. At this occasion, the partnership agreement between RILEM and JCI will be renewed. The official document will be signed by both Presidents.

## VI. Future Regional Group CIS and Titular Membership

RILEM and IEA (The International Engineering Academy, headquartered in Moscow) signed a partnership agreement on 13 May 2014, facilitated by RILEM member Dr. Vyatcheslav Falikman and the RILEM VP Johan Vyncke. After the Spring Meetings, the International Academy of Engineering (IAE) represented by Boris Gusev joined RILEM as a Titular member. Their staff members, representing the different countries of the CIS will participate in Technical Committees. On May 14<sup>th</sup>, the President's Council will hold a special meeting and in the framework of the programme of activities for the 25<sup>th</sup> anniversary of the Academy, will include a set-up for the inaugural meeting of the CIS Regional Group.

## VII. RILEM News

### A) Social Networks

Check out our brand new LinkedIn company page (the previous RILEM Association page was deleted as it was a profile page and not a company page). Follow us to stay informed about our latest news and events!



On YouTube, new videos include:

- Lecture "Geopolymers and other Alkali-activated Materials. Why, how and What?" by John Provis, Robert L'Hermite Medallist 2013
- Keynote speech "Prediction of service life of reinforced concrete by considering the initiation and the propagation periods" by Carmen Andrade (IETC - Madrid)
- Lecture "Understanding interactions between cementitious materials and microorganisms: a key to sustainable and safe concrete structures in various contexts" by Alexandra Bertron, 2014 Robert L'Hermite Medallist

## B) Members Directory

A directory of all RILEM Members was sent to all members in April. It will be updated regularly and posted in the members' private area on the website.

## VIII. New team member at the Secretariat General



The Secretariat welcomed a new staff member in April: Ms Anne Griffoin who is in charge of internal and external communication, social media and also the TAC Secretary. Please contact her if you have any question regarding communication: [a.griffoin@rilem.org](mailto:a.griffoin@rilem.org)

You will have the opportunity to meet her in Melbourne at the 69<sup>th</sup> RILEM Week.

## IX. 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:

Mr. Boris V. GUSEV, IAE, RUSSIAN FEDERATION <sup>(\*1)</sup>

Prof. Dr. Ir Eddie A. B. KOENDERS, Technical University Darmstadt, GERMANY <sup>(\*2)</sup>

Mr. Carsten ZANDERS, CEMEX Research Group AG, SWITZERLAND <sup>(\*3)</sup>

<sup>(\*1)</sup> IEA will become Titular Member very soon with staff members of the different countries of CIS.

<sup>(\*2)</sup> Prof. Koenders left as staff member the Delft University of Technology, and decided that the Technical University Darmstadt will become Associate Member. He is our contact of the corporate membership.

<sup>(\*3)</sup> CEMEX is a new Industrial Member and is active for the time beginning in TC "RSC" (*Recommendations for use of superabsorbent polymers in concrete construction*), chaired by Prof. Viktor MECHTCHERINE.

### 19 SENIOR Members:

Mrs Graziella BERNARDO, Dept. of European and Mediterranean Cultures, ITALY

Mr. Fateh BOUSSAHA, Hydro-Québec, CANADA

Dr. Carmelo CAGGEGI, Université Claude Bernard Lyon 1, FRANCE

Ms Paloma Teles CORTIZO, CJC Engenharia e Projetos, BRAZIL

Mr. Bent GRELK, Grelk Consult, DENMARK

Prof. Lachezar HRISCHEV, Higher School of Civil Engineering, BULGARIA

Dr. Johannes KIRNBAUER, Vienna University of Technology, AUSTRIA

Dr. Plamena PLACHKOVA DZHUROVA, Karlsruhe Institute of Technology (KIT), GERMANY

Prof. Dr. Johann PLANK, Technische Universität München, GERMANY

Mr. Steven POUILLON, BEKAERT N.V., BELGIUM

Prof. Dr. Gintautas SKRIPKIUNAS, Vilnius Gediminas Technical University, LITHUANIA

Dr. Michael D. A. THOMAS, University of New Brunswick, CANADA

Prof. Tamon UEDA, Hokkaido University, JAPAN

Dr. Eric VAN HULLEBUSCH, Université Paris-Est Marne la Vallée, FRANCE  
Mr. Gerhard VITT, BEKAERT GmbH, GERMANY  
Prof. Fazhou WANG, Wuhan University of Technology, PEOPLE'S REPUBLIC OF CHINA  
Mr. Sébastien WOLF, Arcelor Mittal Bissen & Bettembourg, LUXEMBOURG  
Mr. Hiu-dan WONG, Civil Engineering & Development Department, HONG KONG  
Prof. Tie-jun ZHAO, Qingdao Technological University, PEOPLE'S REPUBLIC OF CHINA

#### **9 AFFILIATE Members:**

Dr. Matthieu BRIFFAUT, Université Joseph Fourier - UJF, FRANCE  
Dr. Coralie BRUMAUD, ETH Zürich, SWITZERLAND  
Ms Sharon ESTADOLA, ETH Zurich, SWITZERLAND  
Dr. Aurélie Rosine FAVIER, EPFL / LMC, SWITZERLAND  
Dr. Etienne GRIMAL, EDF - CIH, FRANCE  
Mrs Karla HORNBOSTEL, NTNU, NORWAY  
Mr. Sukmin KWON, Tohoku University, JAPAN  
Dr. Qing-feng LIU, Shanghai Jiao Tong University, PEOPLE'S REPUBLIC OF CHINA  
Mr. Aitor LLANO TORRE, ICITECH, SPAIN

#### **6 STUDENT Members:**

Ms Agnieszka KNOPPIK-WROBEL, Silesian University of Technology, POLAND  
Mr. Gnanli LANDROU, ETH Zürich, SWITZERLAND  
Mr. Suvash Chandra PAUL, University of Stellenbosch, SOUTH AFRICA  
Mr. Andreas RINGHOFER, Graz University of Technology, AUSTRIA  
Mr. Marcin SZYSZKA, Wroclaw University of Technology, POLAND  
Mr. Rutger VRIJDAGHS, KU Leuven, BELGIUM

#### **34 STAFF Members:**

Dr. Josipa BOSNJAK, MPA University of Stuttgart, GERMANY  
Dr. Stephan BÜCHLER TU Braunschweig GERMANY  
Mr. Jingshun CAI, Jiangsu Bote new Materials Co. Ltd, PEOPLE'S REPUBLIC OF CHINA  
Mr. Augusto CANNONE FALCHETTO, TU Braunschweig, GERMANY  
Mr. Julien CHAPELAT, CEMEX Research Group AG, SWITZERLAND  
Mrs Jessica CHIAVERINI, CEMEX Research Group AG, SWITZERLAND  
Prof. David CONCIATORI, Université Laval, CANADA  
Mr. Pieterjan CRIEL, Ghent University, BELGIUM  
Mr. Esmaeel ESMAEELI, University of Minho, PORTUGAL  
Dipl.-Ing. Albrecht GILKA-BOTZOW, Technical University Darmstadt, GERMANY  
Mr. Lorenzo GRAZIANI, Università Politecnica della Marche, ITALY  
Mr. Jens GRÖNNIGER, TU Braunschweig, ISBS, GERMANY  
Prof. Jianxiang HONG, Jiangsu Bote New Materials Co. Ltd, PEOPLE'S REPUBLIC OF CHINA  
Dr. Tulio HONORIO DE FARIA, CEA Saclay, FRANCE  
Mr. Franck LEHMANN, MPA Universität Stuttgart, GERMANY  
Mr. Karel LESAGE, Ghent University, BELGIUM  
Mr. Sichen LI, Jiangsu Bote New Materials Co., Ltd PEOPLE'S REPUBLIC OF CHINA  
Mrs Hua LI, Jiangsu Bote new Materials Co., Ltd PEOPLE'S REPUBLIC OF CHINA  
Prof. Jianzhong LIU, Jiangsu Bote New Materials Co., Ltd PEOPLE'S REPUBLIC OF CHINA  
Mr. Anquan LU Jiangsu Bote New Materials Co. Ltd PEOPLE'S REPUBLIC OF CHINA  
Dr. Zhifeng LYU Jiangsu Bote New Materials Co. Ltd PEOPLE'S REPUBLIC OF CHINA  
Mr. Benoit PARMENTIER, CSTC - WTCB - BBRI, BELGIUM

Mr. Zhiwei QIAN, Delft University of Technology, THE NETHERLANDS  
Mr. Nicky REYBROUCK, Ghent University, BELGIUM  
Dipl.-Ing. Frank ROSER, Technical University Darmstadt, GERMANY  
Mrs Mercedes SANCHEZ, IETcc (CSIC), SPAIN  
Mrs Ana Filipa SANTOS, CEMEX Research Group AG, SWITZERLAND  
Dr. Teresa STRYSZEWSKA, Cracow University of Technology, POLAND  
Mr. Mohammad TAHERSHAMSI, Chalmers University of Technology, SWEDEN  
Mr. Jean-Louis TAILHAN, IFSTTAR, FRANCE  
Mrs Jolien VAN DER PUTTEN, Ghent University, BELGIUM  
Mr. Giovanni VOLPATTI, CEMEX Research Group AG, SWITZERLAND  
Dr. Boguslaw ZAJAC, Cracow University of Technology, POLAND  
Dr. Davide ZAMPINI, CEMEX Research Group AG, SWITZERLAND



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

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

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**ANNEX      Draft Timetable Melbourne 2015**

RILEM Week and Concrete 2015 Program MELBOURNE, AUSTRALIA					
Pullman Albert Park 65 Queen St Albert Park VIC 3004					
DATE	CONCRETE 2015	RILEM WEEK			
Sunday 30 Aug	09:00 - 17:00 Workshop	08:30 - 12:30 EAC	09:30 - 12:30 TC 255-FRS	09:30 - 12:30 TC 248-MMB	
		13:30 - 18:00 TAC	13:30 - 18:00 DAC	13:30 - 18:00 TC 248-MMB	
Monday 31 Aug	08:00 - 09:00 Registration				
	09:00 - 09:45 Official Conference and RILEM Week Opening				
	09:45 - 10:30 Opening Plenary Session				
	10:30 - 13:00 Morning tea and Sessions	10:30 - 13:00 TAC	10:30 - 13:00 DAC	10:30 - 13:00 TC	10:30 - 13:00 TC
	13:00 - 14:00 Lunch				
	14:00 - 17:30 Sessions and Afternoon tea	14:00 - 15:30 DEV	14:00 - 17:30 TC	14:00 - 17:30 TC CCF	14:00 - 17:30 TC
		15:30 - 17:30 BOE			
18:00 - 22:00 Concrete 2015 and RILEM Week Welcome Cocktail Reception					
Tuesday 1 Sept	08:30 - 13:00 Sessions and Morning tea	09:30 - 13:00 BUR	09:30 - 13:00 TC	09:30 - 13:00 TC	09:30 - 13:00 TC
	13:00 - 14:00 Lunch				
	14:00 - 17:30 Sessions and Afternoon tea	14:00 - 17:30 BUR	14:00 - 17:30 TC	14:00 - 17:30 TC	14:00 - 17:30 TC
	18:00 - 22:00 Conference Dinner and Awards				
Wednesday 2 Sept	09:00 - 10:30 Robert L'Hermitage Medallist Presentation Key Note Presentation				
	10:30 - 13:00 Morning tea and Sessions	10:30 - 13:00 BUR			
	13:00 - 14:00 Lunch				
	14:00 - 17:00 Sessions and Afternoon tea	14:00 - 16:00 GC			
	17:00 - 17:30 Closing Session				
		18:00 - 22:00 RILEM Banquet			
Thursday 3 Sept	09:00 - 17:00 Workshop				