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I. Editorial



Dear RILEM members,

Less than a month after having celebrated our 70th anniversary in Lyngby, successfully and with a massive attendance, the feeling of satisfaction in our community was regrettably overshadowed by the passing away of our dear colleague, Wolfgang Brameshuber, at the age of just 60. Wolfgang was amongst us in Lyngby and looking happily forward to some holidays and the great future plans he had to venture together with Mark Alexander on drafting a RILEM 75th anniversary book. We feel deep sorrow for Wolfgang's near and dear ones. Wolfgang had always been a very active, gentle and committed person to work with.

In his last mail to us after the conference Wolfgang stated "... For me it is the most important issue of RILEM to bring together young people...". This is a mission that is indeed in our strategic plan and that we will surely take forward with much ambition and motivation. The conference in Lyngby was also exemplary in this respect. Approximately 570 persons coming from about 55 different countries were scientifically involved in the MSSCE2016 event of the RILEM Annual week. Considerable new elements for RILEM weeks were introduced, in particular the conference was made multi-focus, and doctoral courses were included gathering 106 young participants in 6 courses. This was really a big success. Also in the Colonnetti awards, the limelight was on younger

people and, on the RILEM Technical Day, the RILEM TAC Chair Nicolas Roussel awarded Gustavo Colonnetti Medals to Dr. Susan Bernal and Dr. Ruben Snellings. So, for sure the conference lived up, with all these elements, to the expectations of Wolfgang and we will continue to go forward in the direction set out in Lyngby, as you will be reading in this newsletter emphasizing the important decisions taken at the General Council.

In particular we are pleased also to focus further, in this newsletter, on our ambition with respect to the collaboration with *fib*, our upcoming RILEM Spring meetings, which will be held in connection with the ACI Convention in Detroit in March next year and, looking forward ahead by one year, also to the RILEM Annual Week we will celebrate in 2017 in India with our RILEM Honorary President Manu Santhanam. We are also excited about having RILEM Spring conventions, featuring a workshop and TC meetings, the first to be held in Barcelona in March 2018.



We are sure you will discover ample interesting information in this newsletter and are looking forward to meeting you at some forthcoming RILEM meetings soon, where we will do our utmost to live up to Wolfgang's ambition to keep on involving young people in our scientific work.

Johan Vyncke, RILEM President
Ravindra Gettu, RILEM Vice-President

II. Reports from the Standing Committees, 70th Annual Week in Lyngby, Denmark

A) DAC meeting on 21-22 August 2016

The DAC reorganized the RILEM regions. Two new RILEM regions were created: China and Middle East/North Africa. This brings the number of regions to 10.

The DAC welcomed also 5 distinct new members:

- **Hiroyuki Miyauchi** and **Manfred Partl** as experts
- **Mohammed Sonebi** as convener of Middle East & North Africa
- **Violetta Bokan-Bosjikov** as convener of Europe, replacing Manfred Partl
- **Kefei Li** as convener of China

B) TAC meeting on 21-22 August 2016

The TAC decided to close the TCs: 235-CTC, 236-BBM, 240-FDS and to give numbers to the following active TCs in recognition of significant progress in their work: 265-TDK, 266-MRP, 267-TRM.

Cluster E was renamed "Masonry, Timber and Cultural Heritage".

The TAC welcomed new members:

- Cluster D Convener **Kefei Li** is replaced by **Alexandra Bertron**.
- Cluster E Convener **Paulo Lourenço** is replaced by **Robert Flatt**.
- New Experts:
 - **Michael Wistuba**, Germany,
 - **Barbara Lubelli**, the Netherlands
 - **John Provis**, UK

A number of potential TCs for *fib*/RILEM collaboration have been identified (SIF, RAC, CIM, CCH).

C) EAC meeting on 21 August 2016

The EAC developed a new template for course leaders who wish to request the EAC sponsorship. Template is available on the EAC page on the website: <http://rilem.net/gene/main.php?base=600049>

The TC Chairs are reminded that student members of TCs could obtain free RILEM memberships by having the TC sponsoring a PhD course, or by participating in an EAC sponsored PhD course. **Student participating in RILEM PhD courses indeed can obtain a 3 years free membership**, which then allows them to be full members of RILEM TCs.

D) *Materials and Structures* journal

Dear Readers and Authors of *Materials and Structures*,

It is our pleasure to announce to you a recent improvement in our journal.

In August 2016, according to a RILEM decision, *Materials and Structures* changed from a traditional, issue-based publication scheme to Continuous Article Publication (CAP). The CAP scheme is currently applied to all articles accepted in *Materials and Structures*, leading to extremely fast publication.

The previous scheme was based on publishing the articles first online (Online First) shortly after receiving the corrected proofs from the authors. The article was then scheduled for publication in a future issue. Only after being published in an issue, the article would receive the full bibliographic data (pages, volume and issue number, year). This process resulted in a backlog of online papers waiting to be published in final form.

The CAP scheme readily solves all these problems by waiving the issue-based delays and publishing directly and continuously all new articles in their final form online, with full bibliographic data. Articles published in the new scheme are marked with a unique consecutive article number that replaces the consecutive page numbers. According to the CAP scheme, each accepted article is immediately added to an issue and appears online in final form in two to four weeks after acceptance.

In addition to the faster publishing process brought about by CAP, together with the Editorial Board and our volunteer Reviewers we make every effort to ensure a rapid and competent review process.

I trust that, thanks to the fast publishing process and high visibility and impact of articles published in *Materials and Structures* (Impact Factor 2015 2.453), you will consider publishing your groundbreaking research results in *Materials and Structures*.

On behalf of the editorial board, technical team and the whole RILEM community we thank you for your interest in *Materials and Structures* and invite you to visit the journal at <http://link.springer.com/journal/11527>.

Yours sincerely,

Pietro Lura, Editor in Chief

Nicolas Roussel and Laura De Lorenzis, Deputy Editors in Chief
Materials and Structures

Ravindra Gettu stepped down as Associate Editor and is replaced by **Barzin Mobasher**, USA (expertise in fibers, transport and fracture).

E) RILEM Technical Letters

This journal started in March 2016 and is being published in a **full Open Access** scheme (2 articles per month).

Publication costs are sponsored by RILEM and article processing costs are being fully waived for RILEM members only. The contributions are short articles (5-6 pages) which are accepted by invitation only at the moment. The process of publication is very fast (about 1 month).

In June 2016, the journal was assigned an ISSN 2518-0231 and in July a DOI 10.21809/rilemtechlett.

The objective is to apply in March 2018 to Thomson Reuters (WoS) to get an impact factor.

III. Lectures of the Gustavo Colonnetti Medalists



2016 Gustavo Colonnetti Medalists:
Susan Bernal, University of Sheffield, UK and
Ruben Snellings, VITO, Belgium with
Nicolas Roussel, TAC Chair on 24 August
2016 in Lyngby, Denmark

Susan Bernal and **Ruben Snellings** are the two 2016 Gustavo Colonnetti Medalists. They presented their lectures during the Technical Day at the 70th RILEM Annual Week on Wednesday 24 August 2016 in Lyngby, Denmark. You can watch their presentations on YouTube:

- [Assessing, Understanding and Unlocking Supplementary Cementitious Materials](https://youtu.be/OSwma4cuz5E) by R. Snellings (<https://youtu.be/OSwma4cuz5E>)
- [Advances in near-neutral salts activation of blast furnace slags](https://youtu.be/qolbY66vjmk) by S. Bernal (<https://youtu.be/qolbY66vjmk>)

IV. Pictures of the 70th RILEM Annual Week

Photos by Geert De Schutter, Nele de Belie, Hiroyuki Miyauchi, Pascale Ducornet, Anne Griffoin.

Technical Day, Conference Dinner & PhD courses



RILEM Dinner at DTU



Technical Tour: Stevns' Cliffs and Roskilde Cathedral



V. Upcoming RILEM Week

The invitation from our 2017 Honorary President Manu Santhanam to attend the 71st RILEM Annual Week is below.



71st RILEM Annual Week 2017 in Chennai, India held in conjunction with the
International Conference on Advances in Construction Materials and Systems

3-8 September 2017

On behalf of the organizing committee of the International Conference on Advances in Construction Materials and Systems (ICACMS-2017), I have great pleasure in inviting you to Chennai, the metropolis of south India. Chennai, previously known as Madras (pre-1996), is the fifth most populous city in India, and is a major industrial, technological, cultural, academic, and trading hub in south Asia. Voted one of the 52 best places to visit in the world by New York Times, Chennai has something for everyone - great food, beaches, historic landmarks, culture, and entertainment. I am sure you will enjoy the history and culture of Chennai, and love the hospitality of its people.

The conference covers several themes related to construction materials and systems, with the objective of providing the state of the art coverage on cement and asphalt concrete, heritage materials, and building systems.

The specific conference themes are:

- Advances in supplementary cementing materials
- Concrete durability and performance specifications
- Early age behaviour and rheology of cementitious systems
- Special concretes and applications
- Advances in characterization of construction materials
- Sustainable building systems
- Bituminous binders and mixtures
- Repair and conservation of heritage structures
- Corrosion control and corrosion monitoring in concrete structures
- Repair materials and repair systems for concrete structures

We expect several participants from the industry, both local and international, who will also set up a large exhibition of construction material related products. The interactions and discussions at the conference are expected to significantly contribute to the process of infrastructure development that is currently in full swing in India.

Besides the conference, we will also host the RILEM Week at Chennai, where all the standing committees and some of the active technical committees will meet. Those of you who are not yet RILEM members can avail the benefits of membership and get involved in committee work.

For detailed information and regular updates, please check out the conference website: <http://www.rilem2017conference.org>

Please do send in your abstracts before **15 November 2016**. In case of any queries, please send me an e-mail directly at: manusanthanam@gmail.com

Looking forward to meeting you in September 2017!

Manu Santhanam

Chairman, Organizing Committee, ICACMS - RILEM Week, Chennai 2017
2017 RILEM Honorary President

VI. RILEM Spring Conventions

The Spring meetings are planned to become the “RILEM Spring Convention” as of 2018. They will be organised in the northern hemisphere ‘Spring’, normally in the month of March. It is the intention to base the RILEM Spring Convention in Europe, while the RILEM Annual Week event will generally be organised outside of Europe. Of course already planned events will be maintained and the transfer to the planned scheme will be taken forward step by step.

The RILEM Spring Convention will combine RILEM standing committee meetings (Bureau, TAC, DAC, Development Meeting), and most importantly a number of RILEM technical committee meetings. The Spring Convention seeks to offer to RILEM TCs a new opportunity to meet at least annually for their scientific discussions, and to do so in conjunction with other TCs and RILEM colleagues with whom mutual interchange might be possible. Also, a prestigious lecture and award (the Colonnetti Lecture) will be held during the Convention. A call for candidates to organize the Spring Convention in 2018 has now been launched and discussions are underway to organize the event in Barcelona.

As for next year the RILEM Spring meetings have been planned some time ago, on the kind invitation of ACI, to be held in conjunction with the ACI Convention in Detroit, USA in March 2017. The dates for the RILEM meetings are set to be 29 and 30 March but interaction with ACI members will be of course possible all along the ACI Convention which will start on Sunday 26. More information is to follow in due course.



Driving Concrete Technology
March 26-30, Marriott Detroit at the Renaissance Center
Detroit, MI - USA

Important to note is that at present a special introductory “free 1-year membership” program for educators is at present in application at ACI (for more information: <https://www.concrete.org/membership/becomeamember.aspx?PromoCode=Educator>). Anyone who is an academic could sign up for it in the next few months and still have an active ACI membership at the time of the spring convention next year.

RILEM members who will be attending the ACI convention will anyhow be given a 15% discount off the early non-ACI member weekly and daily registration price. A registration code will be sent shortly before on-line registration opens.

VII. Awarding the RILEM Fellow and Honorary members diplomas

Caijun Shi has been elected as RILEM Fellow *‘in recognition of his impressive efforts in editing RILEM special publications and his instrumental efforts in developing RILEM activities in China’*. He will received his award next year in Chennai.

Yoshihiko Ohama became Honorary Member *“in recognition of his lifetime contribution to many RILEM technical committees and for his efforts in promoting close collaboration within the Japanese RILEM Group”*.



Luis Lima received from **Mark Alexander** the diploma of RILEM Fellow awarded in 2015 *‘in recognition of his exceptional scientific contribution to RILEM's work’*.

Carmen Andrade received from **Mark Alexander** the diploma of Honorary Member awarded in 2015 *‘in recognition of her long-lasting commitment and devotion to RILEM, including numerous technical and management activities. Her major role in leading a range of activities and setting a benchmark for excellence has made an impact on the entire scientific community. Her vision and devotion to RILEM have brought unique value to the members of RILEM’*.





Roberto Torrent received from **Mark Alexander** and **Johan Vyncke** the diploma of Honorary Member (2016) *'in recognition, throughout his career, of his technical and management achievements as a RILEM industry representative in assuring good communication between industry and academia, for his considerable contributions to technical committees, and for his efforts as the inaugural Chair of the Development Advisory Committee created in 2013'.*

Mark Alexander received totally to his surprise from **Johan Vyncke** the diploma of Honorary Member (2016) *'especially in recognition, during his RILEM presidency, of his continued efforts to promote worldwide international partnership collaboration, living up to his motto "if you want to go far go together".'*



VIII. RILEM News Flashes

- The Secretariat welcomed a new staff member in October: **Mrs. Aurélie Marce** who is in charge of the members. Please contact her if you have any question regarding your membership:
a.marce@rilem.org
- Calls for applications to the **Robert L'Hermite Medal** and the **Gustavo Colonnetti Medal** were sent. Please send your application package before **31 December 2016** to sg@rilem.org
- It is not too late to send us photos for the **Annual Report** and/or the **flyer**. The flyer should be out soon. If you need some flyers to promote RILEM in your conference, please let us know and we will send them to you. The Annual Report will be ready for the RILEM Spring Meetings in Detroit in March 2017.



- We remind you that the **directory of RILEM members** is available on the website in your private area. It is regularly updated.
- New **Proceedings and unedited STARS** are available on the website:
 - Proceedings of Fresh Concrete - International RILEM Conference Materials Systems and Structures in Civil Engineering 2016 (MSSCE 2016), PRO 115
 - Proceedings of Frost Action in Concrete - International RILEM Conference Materials Systems and Structures in Civil Engineering 2016 (MSSCE 2016), PRO 114
 - Proceedings of Concrete with Supplementary Cementitious Materials - International RILEM Conference Materials Systems and Structures in Civil Engineering 2016 (MSSCE 2016), PRO 113
 - Proceedings of Moisture in Materials and Structures - International RILEM Conference Materials Systems and Structures in Civil Engineering 2016 (MSSCE 2016), PRO 112
 - Proceedings of Electrochemistry in Civil Engineering - International RILEM Conference Materials Systems and Structures in Civil Engineering 2016 (MSSCE 2016), PRO 111
 - Proceedings of Historical Masonry - International RILEM Conference Materials Systems and Structures in Civil Engineering 2016 (MSSCE 2016), PRO 110
 - Proceedings of Service Life of Cement-Based Materials and Structures - International RILEM Conference Materials Systems and Structures in Civil Engineering 2016 (MSSCE 2016), PRO 109
 - Proceedings of Innovation of Teaching in Materials and Structures - International RILEM Conference Materials Systems and Structures in Civil Engineering 2016 (MSSCE 2016), PRO 108
 - Proceedings of the International RILEM Conference on Microorganisms-Cementitious Materials Interactions, PRO 102
 - Proceedings of the 8th International RILEM Symposium Self-Compacting Concrete (SCC 2016), PRO 100
 - Proceedings of the 1st International Conference on Bio-based Building Materials (ICBBM 2015), PRO 99
 - Repair Mortars for Historic Masonry (TC 203-RHM)
 - Proceedings of the International RILEM Conference on Application of Superabsorbent Polymers and Other New Admixtures in Concrete Construction, PRO 95
 - Unedited version of Innovative AE and NDT Techniques for On-Site Measurement of Concrete and Masonry Structures (TC 239-MCM)
 - Unedited version of Performance Assessment of Concrete Structures and Engineered Barriers for Nuclear Applications (TC 226-CNM)

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



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!

33 SENIOR Members:

Mr. Johan AHLSTROM, Swerea KIMAB, SWEDEN
Prof. Orazio BAGLIERI, Politecnico di Torino, ITALY
Prof. Ivana BANJAD PECUR, University of Zagreb, CROATIA
Mr. Jan BISSCHOP, TFB AG, SWITZERLAND
Dr. Daniela CIANCIO, University of Western Australia, AUSTRALIA
Prof. Domenico GALLIPOLI, Université de Pau et des pays de l'Adour, FRANCE
Prof. Sergio GAVILAN, Gavilan y Asociados, PARAGUAY
Dr. Andrea GRILLI, Università degli studi della Repubblica di San Marino, REPUBLIC OF SAN MARINO
Prof. Carolyn HANSSON, University of Waterloo, CANADA
Mr. Michael JUKNAT, MFPA Leipzig GmbH, GERMANY
Dr. Abdelhak KACI, L2MGC/ University of Cergy-Pontoise, FRANCE
Prof. El-Hadj KADRI, L2MGC - University of Cergy-Pontoise, FRANCE
Dr. Sylvia KESSLER, Centrum Baustoffe und Materialprüfung, GERMANY
Prof. Ulrich KNAACK, Technische Universität Darmstadt, GERMANY
Dr. Pascal MAILLARD, CTMNC, FRANCE
Dr. Beatriz MENENDEZ, Université de Cergy Pontoise, FRANCE
Dr. Sunitha NAYAR, Indian Institute of Technology (IIT) Madras, INDIA
Mr. Venkatesh Naidu NERELLA, Technische Universität Dresden, GERMANY
Dr. Takahiro NISHIDA, Kyoto University, JAPAN
Ms Cristiana NUNES, Institute of Theoretical and Applied Mechanics, CZECH REPUBLIC
Mr. Norihiko OGURA, CORE Institute of Technology Corporation, JAPAN
Dr. James OLAWUYI, Federal University of Technology Minna, FEDERAL REPUBLIC OF NIGERIA
Dr. Simon POUGET, Eiffages Infrastructures, FRANCE
Dr. Alvaro RIDRUEJO, Universidad Politécnica de Madrid, SPAIN
Dr. Dirk SCHLICHE, Graz University of Technology, AUSTRIA
Mr. Lionel SOFIA, EPFL, SWITZERLAND
Dr. Anthony SOIVE, CEREMA, FRANCE
Mr. Sergey UDODOV, Kuban State Technological University, RUSSIAN FEDERATION
Prof. Heather VILES, University of Oxford, UNITED KINGDOM
Dr. Timothy WANGLER, ETH Zürich, SWITZERLAND
Mr. Kazuo WATABE, Toshiba Corporation, JAPAN
Prof. Feng XING, Shenzhen University, PEOPLE'S REPUBLIC OF CHINA
Dr. Yidong XU, Ningbo Institute of Technology, PEOPLE'S REPUBLIC OF CHINA

10 AFFILIATE Members:

Mrs. Kamilia ABAHRI, Ecole Normale Supérieure de Cachan, FRANCE
Dr. Christopher BECKETT, University of Western Australia, AUSTRALIA
Dr. Daniel CARDOSO, Pontifical Catholic University of Rio de Janeiro, BRAZIL
Mr. Todd CLARKE, Elasto Plastic Concrte PTY Ltd, AUSTRALIA
Dr. Vinh DOAN, Coventry University, UNITED KINGDOM
Dr. Adrien HILAIRE, EPFL, SWITZERLAND
Mr. Jacob J. O. IKOTUN, Vaal University of Technology, SOUTH AFRICA
Dr. Wengui LI, University of Technology Sydney, AUSTRALIA
Dr. Xuerun LI, EPFL, SWITZERLAND
Dr. Sergio Henrique PIALARISSI CAVALARO, UPC - Universidad Politecnica de Catalunya, SPAIN

3 STUDENT Members:

Mr. Sokratis ILIOPOULOS, Vrije Universiteit Brussel, BELGIUM

Mr. Georgios LIVITSANOS, Vrije Universiteit Brussel, BELGIUM
Mr. Philipp LOEBER, University of Applied Sciences Leipzig, GERMANY

1 RETIRED Member:

Dr. K. B. ANAND, ANAGHA AISWARYA Colony Olavakkode, INDIA

31 STAFF Members:

Mr. Mathieu ANTONI, EPFL, SWITZERLAND
Prof. Andrew HEATH, BRE Centre for Innovative Construction Materials, UNITED KINGDOM
Mr. Peter WALKER, BRE Centre for Innovative Construction Materials, UNITED KINGDOM
Dr. Jean-Emmanuel AUBERT, LMDC, France
Dr. Moises BUENO, EMPA, SWITZERLAND
Prof. Veerle CNUDDÉ, Ghent University, BELGIUM
Ms Laurence DE MEYST, Ugent, BELGIUM
Ir. Robin DE SCHRYVER, Magnel Laboratory for concrete research, BELGIUM
Dr. Teresa DIAZ GONCALVES, LNEC, PORTUGAL
Ms Evin Dildar DZAYE, Ghent University, BELGIUM
Mr. Vivien ESNAULT, LafargeHolcim Research Centre, FRANCE
Dr. Laurent GAILLET, IFSTTAR, FRANCE
Mr. Ricardo GARCIA-ROVES LOZA, IETcc (CSIC), SPAIN
Mrs. Elisabeth HELSING, CBI, SWEDEN
Dr. Alain JACQUET, LafargeHolcim Research Centre, FRANCE
Dr. Hoang LE-CHIEN, LafargeHolcim Research Centre, FRANCE
Dr. Mladena LUKOVIC, TU Delft – CITG, THE NETHERLANDS
Dr. Jonathan MAI-NHU, CERIB, FRANCE
Ms Nadia MASSOUSSI, IFSTTAR, FRANCE
Dr. Lorenzo MICCOLI, BAM, GERMANY
Mr. Damian PALIN, TU Delft, THE NETHERLANDS
Dr. Ravi PATEL, University of Ghent, BELGIUM
Mr. Stephan PIRSKAWETZ, BAM, GERMANY
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Dr. Rui SILVA, University of Minho, PORTUGAL
Prof. Valentina STEPANOVA, NIIZhB, RUSSIAN FEDERATION
Dr. Amir TABAKOVIC, Delft University of Technology, THE NETHERLANDS
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Dr. Jörg UNGER, BAM, GERMANY
Mr. Haopeng WANG, Delft University, THE NETHERLANDS



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

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