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I.	Editorial by RILEM President Johan Vyncke, Vice-President Ravindra Gettu and Outgoing President Mark Alexander
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### **“Imagine all the people. Sharing all the world...”**

From the perspective of the president, vice-president, and past-president, we are very pleased to bring you this (belated) newsletter. For many people, the year has probably been difficult and hectic. In RILEM, we too have had our pressures, but we are pleased to report that due to good teamwork across the association, we have made substantial progress. Rewarding teamwork is one of the nice things about RILEM, it is a place where friendships develop, in the Technical Committees, the standing Committees and with the staff and all members at large. Unlike in politics where quite often the president and past president are opponents, the contrary is true in our association and this gives much satisfaction and stable grounds for the future.

Much has been accomplished in 2015. Let us bring a few things in retrospect.

New staff has been recruited and since April, we are pleased to welcome Anne to support Gilberte and Pascale in the SG office in Bagneux. Anne has been trained in large international organizations (OECD and US Embassy) and has developed in her former job good experience with web development, which is surely a welcome reinforcement for the secretariat.

Soon the small office in Bagneux on the sixth floor of a somewhat outdated building in the southern outskirts of Paris is going to be history for RILEM. Over the last year, discussions have taken place with a number of RILEM titular members situated in and around Paris to explore the opportunity for the secretariat to join and develop synergies with a larger entity. In the end, we had to make a difficult choice between 3 good and friendly offers. So we can inform that the general secretariat will relocate in the course of January to premises of CSTB (Centre Scientifique et Technique du Bâtiment) at Avenue du Recteur Poincaré in the 16th arrondissement, close to Radio France, the Seine and the Eiffel tower. Yet it was with sincere regret that we had to decline the generous offers from colleagues at La Defense and in Marne La Vallée.

Also in relation to our flagship Journal Materials & Structures, excellent developments have been taking place. More detailed information on all this will soon follow from Jason Weiss. Under the strong leadership of Jason as Editor in Chief, the impact factor of the journal has been steadily climbing over the last 4 years or so and it is now peaking at 1.71, which means that on average during the previous two years, articles published in M&S are cited nearly 2 times in other publications. Also, the time for the first review has been cut in half over the last five years of the journal, so Jason can step aside as EiC proudly, knowing that he is handing over the Journal in really good shape to his EiC successor Pietro Lura.

Regarding publication of proceedings and STARS in general, our business with Springer is also developing well. A new publishing orientation will be that RILEM will switch most likely at the end of 2016 to Continue Article Publishing which should allow to reduce the processing time of articles. Plans are also being unfolded to venture into a new Open Access journal, "Letters in Materials and Structures", which will allow RILEM members to cover in a short article important and innovative research in the field of construction materials and structures that substantially advances a field, opens a significant new area of research, or solves a critical outstanding problem. More information on this is to follow soon from our TAC Chair Nicolas Roussel, who will act also as EiC for this new OA magazine which will be launched exclusively for RILEM Authors.

Reflecting on the mandate of past-president Mark Alexander, clearly a major achievement has been the building of RILEM Partnerships worldwide in the field of concrete. Many collaboration agreements have been concluded by RILEM over the last years, *i.e.* with the American Concrete Institute - ACI, the Japanese Concrete Institute - JCI, not to forget our Korean, Indian, Russian and Brazilian partners through KCI, ICI, IEA and IBRACON. Most recently at the annual RILEM week in Melbourne (Sep. 2015), which was run in conjunction with the 27th Biennial National Conference of the Concrete Institute of Australia - CIA 'Concrete 2015 Construction Innovations, Research into Practice' - three more agreements were signed, *i.e.* with the New Zealand Concrete Society - NZCS, with CIA itself, and last but not least with *fib*. So all this gives good perspectives for further worldwide development of RILEM.

Also, in Melbourne at the General Council, in line with the policy since the financial crisis in 2008, for the 9th year in a row it was decided not to increase the membership fees. For senior members there was moreover even better news as it was decided to reduce their membership fees by 6.5% to 375€.

By the time you read this editorial, 2016 will be loudly calling, so it is also appropriate to look to the future. For 2016 much is expected again from the Annual Week which will be held in Copenhagen. It is bound to become one of the biggest RILEM Annual Weeks ever organised. The event, which marks also the 70th anniversary of RILEM, will consist of a series of parallel and consecutive conference and doctoral course segments on different topics. Each conference or doctoral course segment will function as individual events, but they will also have relations to

other segments of the full event. In particular, there will be thematic links between specific doctoral courses and specific conference segments. So for 2016 the RILEM GC will definitely again be the place to be to meet your RILEM colleagues.

A further glimpse into our future plans is that it is now under consideration to produce an annual review for RILEM. Running up to the celebration of the 75th anniversary in 2021, it is also being considered this year to invest in drafting and documenting a historical overview of major RILEM achievements.

Learning from our history is of course of major importance. For the new presidency it is also considered of great importance and being one of the guidelines that will be followed, *i.e.* “keep on the good traditions and strengths, while looking to further reinforce and innovate our service rendered to the members”. Clearly, the strength of RILEM is in the work of the TC’s where knowledge is collated and discussed by experts with the aim to share it openly and freely with the rest of the world – a noble task indeed! It is a proven concept and a spirit that we want to carry forward into the future, also with respect to non-technical matters. May we hope that our technical ambitions for open innovation and collaboration can also inspire worldwide on the political and social level, as there is quite some evidence these days that such an approach is urgently needed.

We profit from the occasion to convey you our best wishes for 2016 ...

Johan, Ravindra, Mark

## II. Reports from the Standing Committees meetings in Melbourne, Australia, 30 August-02 September 2015

### A. DAC meeting on Sunday 30 August - Monday 31 August 2015

**Roberto Torrent**, who was DAC Chair since September 2013, reached the end of his mandate in September 2015. He is replaced by **Geert De Schutter** (2015-2017). Geert is well acquainted with the DAC business as he has been initiating plans for DAC while he was director of development back in 2009-2014.

DAC will come up with a package to attract industrial members.

To attract young RILEM members from Africa, **Hans Beushausen** and **Wolfram Schmidt** will undertake to establish contacts with promising young African researchers who will get a 3 years free membership in return for a commitment to engage in specific activities.

### B. TAC meeting on Sunday 30 August - Monday 31 August 2015

A new Technical Committee was approved at the last General Council:

- **TC TRM - Tests for reactivity of supplementary cementitious materials** chaired by **Karen Scrivener**.

Two Technical Committees were furthermore ratified by the General Council (they were previously approved by online ballots in June 2015):

- **TC RAC - Structural behaviour and innovation of recycled aggregate concrete** chaired by **Jianzhuang Xiao**. This TC will be functioning also as a joint RILEM-*fib* committee putting in this way the MoC (see further in this newsletter) with *fib* into practice.
- **TC RAP - Asphalt Pavement Recycling** chaired by **Gabriele Tebaldi**.

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 [here](#)). **35 technical committees** are currently active. A complete [list of all active RILEM technical committees](#) can be found on the RILEM website.

### C. EAC meeting on Sunday 30 August

**Robert Flatt, Wolfram Schmidt, Gideon van Zijl and Jason Weiss** were appointed members of the EAC (2015-2017).

### D. Materials and Structures

**Pietro Lura** was appointed Editor in Chief of Materials and Structures.

New Associate Editors were appointed for a four years mandate:

- **Alexandra Bertron** (physio-chemistry)
- **Ippei Maruyama** (cement testing, transport)
- **Climent Molins** (structures)

Each year, up to nine papers are selected by Materials and Structures board of editors and published as open access papers. These papers, which cover all fields of RILEM activities, exemplify the highest standards in our scientific community. You can find the list and the links of the **2015 Outstanding Papers** on RILEM Honors and Awards [page](#).

**Materials and Structures 2014 Impact Factor is 1.714** (Thomson Reuters Journal Citation Reports® 2015). The Impact Factor of the Journal has been in constant progression for the past three years.

### III. Upcoming RILEM Week



**70<sup>th</sup> RILEM Annual Week 2016 in Lyngby, Denmark** held in conjunction with the conference on **Materials, Systems and Structures in Civil Engineering**

**20-24 August 2016**

**Conference 21-24 August 2016**

**Doctoral courses 15-19 & 25-29 August 2016**

**Technical tours 20-21 August 2016**

For more information:

<http://www.conferencemanager.dk/MSSCE2016/home.html>

\*\*\*Abstract submission for the conference on **Materials, Systems and Structures in Civil Engineering** is now open until 8 January 2016.\*\*\*

### IV. Lecture of Guillaume Habert, 2015 Robert L'Hermite Medalist

**Guillaume Habert** presented his very interesting lecture "Paving the Path toward Sustainable Concrete" during a keynote session at "Concrete 2015, Construction Innovation: Research into Practise", 27th Biennial National Conference of the Concrete Institute of Australia, which was organised in conjunction with the 69th RILEM Week.

You can watch the video of his presentation on YouTube:

<https://www.youtube.com/watch?v=jAULqH-VHFo>





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*After his lecture, Guillaume received the 2015 Robert L'Hermite Medal from Nicolas Roussel, TAC Chair and Member of the 2015 Jury.*

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## V. Signature of partnerships with international organizations

### A. Partnership agreements with CIA, fib and NZCS



A partnership agreement has been signed with the Concrete Institute of Australia (CIA), represented by **David Millar**, Chief Executive Officer of the CIA during the 69th RILEM Annual Week held in conjunction with Concrete 2015, the 27th Biennial National Conference of the CIA in Melbourne, Australia in the presence of the RILEM Regional Convener for Oceania, **Michael Khrapko**.

Concrete Institute of Australia aims to be the primary independent organisation related to the concrete industry in Australia in which everyone

who aspires to excellence in concrete technology, application, design and construction will seek membership.

A Memorandum of Cooperation has been signed with the Fédération internationale du béton / International Federation for Structural Concrete (*fib*), represented by **Harald Müller**, *fib* President & **Petra Schumacher**, *fib* Secretary General.

The signing took place on the margin of the 69th RILEM Annual Week held in conjunction with Concrete 2015, the 27th Biennial National Conference of the CIA in Melbourne, Australia.



The purpose of the MoC is to develop cooperation between the two associations and increase future collaborative activities. RILEM is proud to be associated with the *fib* and look forward to a long standing partnership to the benefit of all our Members.

According to the Memorandum of Cooperation, **RILEM members will be able to register at a discounted rate** at the *fib* Symposium 2016 in Cape Town, South Africa, 21-23 November 2016.



A partnership agreement has been signed with the New Zealand Concrete Society (NZCS), represented by **Jeff Matthews**, NZCS President.

The signing took place in two stages. First on 31st August 2015, RILEM President Mark Alexander signed the agreement during the 69th RILEM Annual Week in the presence of Dene Cook, former president of NZCS and currently a NZCS Council Member and **Michael Khrapko**, RILEM Regional Convener for Oceania.

Then on 8th October 2015 Michael took the agreement to the New Zealand Concrete Conference / Annual NZCS meeting in Roturua, New Zealand where NZCS President Jeff Matthews signed it.

The New Zealand Concrete Society facilitates the sharing of industry knowledge, participates in the development of concrete and construction & provides a



foundation for building valuable business networks, in New Zealand & overseas. NZCS is a non-profit organisation where members reap the benefits of their combined contributions. It aims to encapsulate the wealth of expertise of its membership.

## B. JCI

The Japan Concrete Institute (JCI) celebrated its 50th Anniversary in Tokyo, Japan. JCI invited **Mark Alexander**, President of RILEM to attend the celebration.

On Sunday 12 July 2015, both organizations renewed the International Partnership Agreement that they signed in September 2007, in Ghent, at the RILEM week of that year.



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*From left to right: Mr. Toru Kawai, Prof. Manabu Yoshimura, Prof. Dr. Folker Wittmann, Prof. Hirozo Mihashi (President of JCI), Prof. Mark Alexander (President of RILEM), Prof. Koichi Maekawa, Prof. Takafumi Noguchi, Mr. Kazuhisa Inoue*

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## VI. Awarding the RILEM Fellow diplomas and Certificates of Appreciation

The RILEM General Council attributes the honorary title of RILEM Fellow to Senior members having made exceptional contributions to RILEM in their capacities as research scientist, engineer, technical leader or educator.

This year in Melbourne the honored members were: **Geert De Schutter, Doug Hooton, Maria Rosa Valluzzi, Jason Weiss, Nele de Belie, Kamal Khayat, Luis Lima.**



Certificates of Appreciation were also given to RILEM members for their work in RILEM Committees:

- **Ole Mejlhede Jensen** for his work as chairman of EAC
- **Roberto Torrent** for his work as chairman of DAC
- **Jason Weiss** for his work as Editor-in-Chief of Materials and Structures



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*Mark Alexander with Maria Rosa Valluzzi, Doug Hooton, Geert De Schutter,  
Ole Mejlhede Jensen, Jason Weiss, Roberto Torrent*

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## VII. Messages from the Secretariat General

- The RILEM General Secretariat will move to the new offices, 4 Avenue du Recteur Poincaré, 75016 Paris, France in the course of January 2016. You will be informed of the new phone & fax numbers by email.
- Creation of a new medal honoring the first RILEM President and founding member Gustavo Colonnetti: starting in 2016, each year, up to two **Gustavo Colonnetti Medals** will be awarded to researchers of less than 35 years, who have made an outstanding scientific contribution to the field of construction materials and structures.

- New videos have been uploaded on [YouTube](#), including the lecture of Guillaume Habert but also the keynote speech by Harald Müller, *fib* President.
- New **Proceedings and unedited STARS** are available on the website:
  - Proceedings of the International Conference on Sustainable Structural Concrete, 15-18 September 2015, La Plata, Argentina
  - Proceedings of FERRO-11 (11th International Symposium on Ferrocement) and of the 3rd International Conference on Textile Reinforced Concrete, 7-10 June 2015, Aachen, Germany
  - Proceedings of the XIII International Conference on Durability of Building Materials and Components - XIII DBMC, 02-05 September 2014, Sao Paulo, Brazil
  - Proceedings of the RILEM Technical Committee 254-CMS Workshop on Cracking of Massive Concrete Structures, 17 March 2015, Cachan, France
  - Unedited version of the State-of-the-Art report of Technical Committee 219-ACS "RILEM Recommendations for the Prevention of Damage by Alkali-Aggregate Reactions in New Concrete Structures"
  - Unedited version of the State-of-the-Art report of Technical Committee 230-PSC "Performance-Based Specifications and Control of Concrete Durability"
  - Unedited version of the State-of-the-Art report of Technical Committee 324-DUC "Design Procedures for the Use of Composites in Strengthening of Reinforced Concrete Structures"

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



## VIII. 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!

### **2 CORPORATE Members:**

Mr. Guillermo GOICOA, AAHES, ARGENTINA

Prof. Boris V. GUSEV, International Academy of Engineering (IAE), RUSSIAN FEDERATION

### **35 SENIOR Members:**

Dr. Francisco AGRELA, University of Cordoba, SPAIN

Dr. Ali AKBARNEZHAD, University of New South Wales, AUSTRALIA

Prof. Hassan BAAJ, University of Waterloo, CANADA

Dr. Mohsen BEN HAHA, Heidelberg Cement Technology Center GmbH, GERMANY

Dr. Eric Stephan BERNARD, Technologies in Structural Engineering Pty Ltd, AUSTRALIA

Mr. Shashank BISHNOI, Indian Institute of Technology Delhi, INDIA

Mr. Alan CARTER, Universite du Québec, CANADA

Prof. Miren ETXEBERRIA, Universitat Politecnica de Catalunya, SPAIN  
Dr. Antonin FABBRI, LGCB-LTDS/ENTPE, FRANCE  
Dr. Alessandro P. FANTILLI, Politecnico di Torino, ITALY  
Dr. Chiara F. FERRARIS, NIST, UNITED STATES  
Prof. Natalino GATTESCO, University of Trieste, ITALY  
Elhem GHORBEL, Université Cergy Pontoise, FRANCE  
Prof. Jacek GOLASZEWSKI, Slesian University of Technology, POLAND  
Dr. Belen GONZALEZ FONTEBOA, Universidad de A Coruna, SPAIN  
Mr. Markus GREIM, Schleibinger Instruments, GERMANY  
Dr. Ivan IGNJATOVIC, University of Belgrade, SERBIA  
Prof. José Ramon JIMENEZ, University of Cordoba, SPAIN  
Prof. Tadepalli MADHAVI, SRM University, Ramapuram Campus, INDIA  
Mr. Christophe MARQUIE, IRSN, FRANCE  
Prof. Anibal MAURY RAMIREZ, Pontificia Universidad Javeriana Cali, COLOMBIA  
Prof. César MEDINA MARTINEZ, Universidad Politecnica de Extremadura, SPAIN  
Dr. Climent MOLINS, Universitat Politècnica de Catalunya - UPC, SPAIN  
Dr. Juhuyuk MOON, Stony Brook University, UNITED STATES  
Dr. Khim Chye Gary ONG, National University of Singapore, SINGAPORE  
Dr. Mitsuo OZAWA, Gunma University, JAPAN  
Mr. Jose PACHECO, CTLGroup, UNITED STATES  
Prof. Mario del Carmen RUBIO-GAMEZ, University of Granada, SPAIN  
Dr. Yuya TAKAHASHI, The University of Tokyo, JAPAN  
Dr. Yasushi TANAKA, The University of Tokyo, JAPAN  
Dr. Selvaraj THIRUMALINI, S.A. Engineering College, INDIA  
Dr. Steffen WACHE, BASF Construction Solutions GmbH, GERMANY  
Dr. Hong WONG, Imperial College London, UNITED KINGDOM  
Dr. Huachun ZHAI, Idaho Asphalt Supply, UNITED STATES  
Prof. Yuxi ZHAO, Zhejiang University, PEOPLE'S REPUBLIC OF CHINA

**15 AFFILIATE Members:**

Dr. Anna ARIZZI, University of Granada, SPAIN  
Dr. Ana BARICEVIC, University of Zagreb, CROATIA  
Mr. Stepan BOHUS, Saint-Gobain Adfors, CZECH REPUBLIC  
Mr. Frane BOROVIKA, Spegra Inzenjering d.o.o., CROATIA  
Dr. Christian CHRISTODOULOU, AECOM Ltd, UNITED KINGDOM  
Dr. Emilio GARCIA-TAENGUA, University of Leeds, UNITED KINGDOM  
Dr. Yijie HUANG, Shandong University of Science and Technology, PEOPLE'S REPUBLIC OF CHINA  
Mr. Martin KIRKPATRICK, Arch Henderson LLP, UNITED KINGDOM  
Dr. Wilson Ricardo LEAL DA SILVA, Danish Technological Institute, DENMARK  
Dr. Yuwei MA, Guangzhou University, PEOPLE'S REPUBLIC OF CHINA  
Mr. Rimvydas MOCEIKIS, AB AKSA, LITHUANIA  
Dr. Fernando MORENO-NAVARRO, University of Granada, SPAIN  
Dr. Jose NORAMBUENA-CONTRERAS, University of Bio-Bio (UBB), CHILE  
Dr. Gilles PLUSQUELLEC, NTNU, NORWAY

Dr. Jingwei YING, Guangxi University, PEOPLE'S REPUBLIC OF CHINA

**2 STUDENT Members:**

Ms Anca-Cristina JURCUT, University of Toronto, CANADA

Mr. Egor SECRIERU, Technische Universität Dresden, GERMANY

**30 STAFF Members:**

Mr. Ricardo Antonio BARBOSA, Technical University of Denmark, DENMARK

Dr. Maria Joao CORREIA, LNEC, PORTUGAL

Mrs Helena CRUZ, LNEC, PORTUGAL

Mrs Anaïs GRANDCLERC, IFSTTAR, FRANCE

Mr. Patrick HARTWICH, RWTH Aachen University, GERMANY

Dr. Lukaz HOJDYS, Cracow University of Technology, POLAND

Prof. Ahad JANAHMADOV, Azerbaijan Engineering Academy, REPUBLIC OF AZERBAIJAN

Mr. Maksim JAVADOV, Azerbaijan Engineering Academy, REPUBLIC OF AZERBAIJAN

Prof. Nurbaturov KANAPIYA, Association of "Industrial Construction Technologies", RUSSIAN FEDERATION

Mr. Marc KOSALLA, RWTH Aachen University, GERMANY

Dr. Piotr KRAJEWSKI, Cracow University of Technology, POLAND

Mrs Sabina KRAMAR, ZAG Ljubljana, SLOVENIA

Dr. Barbara LUBELLI, TNO Built Environment and Geosciences, THE NETHERLANDS

Mrs Marion MEDEVIELLE, IFSTTAR Nantes, FRANCE

Prof. Uwe MUEHLICH, University of Antwerp, BELGIUM

Hiroshi NAKANISHI, Building Research Institute, JAPAN

Mrs Marija NEDELJKOVIC, Delft University of Technology, THE NETHERLANDS

Mr. Min QIAO, Jiangsu Academy of Building Science, PEOPLE'S REPUBLIC OF CHINA

Prof. Qianping RAN, Jiangsu Bote New Materials Co. Ltd., PEOPLE'S REPUBLIC OF CHINA

Mr. Christoph RECKNAGEL, BAM, GERMANY

Dr. Margarida SA DA COSTA, LNEC, PORTUGAL

Ms Eirini TZIVILOGLOU, Delft University of Technology, THE NETHERLANDS

Mr. Wei WANG, Jiangsu Academy of Building Science, PEOPLE'S REPUBLIC OF CHINA

Dr. Rui WANG, Jiangsu Academy of Building Science, PEOPLE'S REPUBLIC OF CHINA

Andrzej WINNICKI, Cracow University of Technology, POLAND

Mr. Zhiqian YANG, Jiangsu Academy of Building Science, PEOPLE'S REPUBLIC OF CHINA

Mr. Lihui ZHANG, Jiangsu Academy of Building Science, PEOPLE'S REPUBLIC OF CHINA

Mr. Xiaolei ZHANG, Jiangsu Academy of Building Science, PEOPLE'S REPUBLIC OF CHINA

Prof. Maratbek ZHUGINISSOV, Kazakh National University, RUSSIAN FEDERATION

Mr. Yibing ZUO, Delft University of Technology, THE NETHERLANDS





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

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