

fib General Assembly approves the Model Code 2010 in Lausanne



Members of the 11th *fib* General Assembly, who approved the Model Code 2010 by unanimous vote.

On 29 October 2011, the 11th General Assembly of *fib* convened in Lausanne, Switzerland and accepted the *fib* Model Code 2010 (“MC2010”). Publication is planned for 2012, following a final editorial review by a small Editorial Group to be chaired by *Joost Walraven*, to achieve consistency and correctness throughout the entire document.

The *fib* Model Code 2010 is the continuation of the Model Codes that have been developed and published by *fib* and its predecessors CEB and FIP over the past three decades. These include the first edition of the CEB-FIP Model Code published in 1978, the CEB Model Code on Seismic Design of Concrete Structures (1985), CEB-FIP Model Code 1990, and *fib* Bulletin 34, “Model Code on Service Life Design” (2006).

An important document in both research and design, the *fib* Model Code 2010 influences both regional and national codes. MC2010 is now the most comprehensive code on concrete structures, including their complete life cycle: conceptual design, dimensioning, construction, conservation, and dismantlement.

The approval of the *fib* Model Code 2010 is an historic milestone nearly ten years in the making. Discussion on a new Model Code began in 2002, and Special Activity Group 5 (SAG5), “New Model Code”, held its first meeting in September 2003 in Delft, The Netherlands. The first complete draft of the document was published in 2010 as *fib* Bulletins 55 and 56, which served as the basis for review and extensive comments by the National Delegations of *fib*.

fib sincerely thanks SAG5 convener *Joost Walraven* and the editor of the *fib* Model Code 2010, *Agnieszka Bigaj van Vliet*, for their consistent hard work and dedication, as well as

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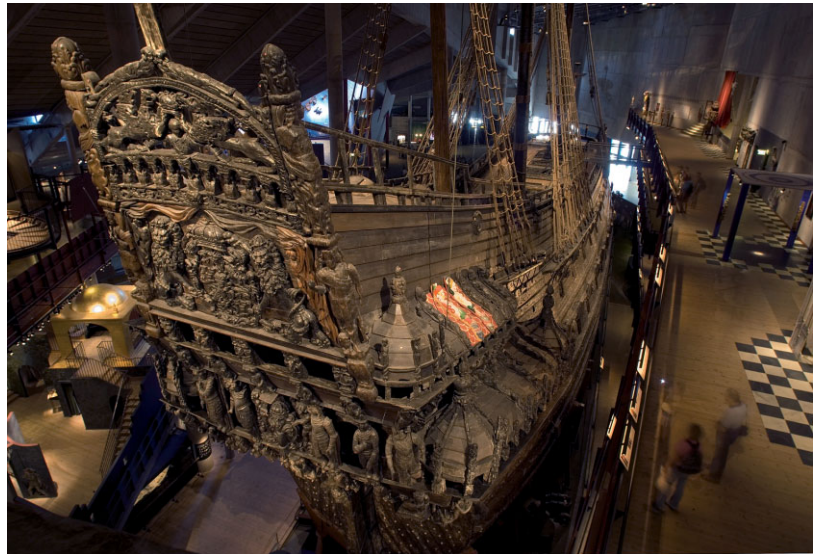
fib Symposium 2012 in Stockholm

the members of SAG5, all of the invited experts who contributed to the document, and the National Delegations of *fib* for their invaluable comments on the first complete draft. *Agnieszka* and *Joost* received tokens of *fib*'s appreciation at the Technical Council Dinner that preceded the General Assembly.



The TC dinner was preceded by a reception offered by Mr. *C.R. Alimchandani*, Head of the Indian Delegation of *fib*.

Following the GA, the approval of the *fib* Model Code 2010 was celebrated with a reception for the delegates and deputies, including an *fib* cake, and Hungarian wine that was imported specially for the occasion by *fib* President *György L. Balazs*.



The famous Vasa Ship Museum hosts the warship Vasa that sank during its maiden voyage in August 1628, was salvaged 333 years later, and now is explored in a sustainable environment. Photo: Karolina Kristensson/SMM.

Sustainability is still a subject of media focus even though other international events such as the Arab Spring sometimes overshadow it. The constant interest in sustainability is of paramount importance since we have only a limited time to prevent dramatic climate changes that otherwise are inevitable according to leading international experts, and to adapt our society to probable changes. The building sector and especially the areas of cement and concrete can make a difference as this sector's impact is substantial.

The interest in sustainable concrete among researchers seems to be great and increasing – one example of this is the overwhelming interest in the 2012 *fib* Symposium and its theme, "Concrete Structures for Sustainable Community". We have received over 280 abstracts. The proceedings will contain a selection of some 170 papers that also will be presented orally at the Symposium in Stockholm in early June 2012. When selecting papers, the Scientific Committee focused on papers that suit the symposium theme, meaning that general papers and papers with peripheral scope have been rejected.

The selected papers cover the following topics:

- Alternative binders
- Carbonation and carbon dioxide uptake
- Case studies
- Designing concrete structures for durability & sustainability
- Durability
- LCC, LCA, and classification systems
- Recycling
- Repair, renovation, and upgrading for improved sustainability
- Sustainable concrete materials
- Sustainable concrete pavements
- Sustainable concrete production

There will be no poster session, but papers describing ideas, ongoing projects, preliminary results and minor studies will be presented in special, shorter sessions, in order to provide a platform for the these authors, who are generally younger and at an earlier stage of their careers.

The organizers have invited the following keynote speakers:

Dr *Carola Edvardsen*, chief specialist in concrete technology & durability, COWI A/S, Denmark, with

recent experience in sustainability issues (Abu Dhabi tunnel project).

Dr *Christoph Müller*, VDZ, Germany, cement specialist and researcher in the area of development of sustainable cements.

Dr *Hanne Rønneidal*, Executive Vice President, SINTEF Building and Infrastructure, Trondheim, Norway, former chair of Norwegian Concrete Association.

Prof *Koji Sakai*, Kagawa University, Japan, current chair of JCI sustainability committee and ISO/TC71/SC8 (Environmental management for concrete and concrete structures)

and convener of *fib* Special Activity Group 8, “*fib* Sustainability Initiative”.

Prof *Joost Walraven*, TU Delft, Delft, The Netherlands, convener of *fib* Special Activity Group 5 on the New Model Code and former *fib* President.

Prof *Jim Wight*, Univ. of Michigan, USA, deeply involved in the Concrete Joint Sustainability Initiative and incoming ACI President.

The largest Swedish technical university – KTH, the Royal Institute of Technology – will provide the symposium venue. KTH is nicely locat-

ed within walking distance from downtown Stockholm and is adjacent to a green area. On the Thursday following the three-day symposium there will be an optional technical tour to one of the challenging infrastructural projects that currently are under construction in Stockholm. The social programme includes a welcome reception at the famous Vasa Ship Museum and a banquet beginning with a boat trip in the Stockholm Archipelago.

Johan Silfwerbrand
Chair of the Organizing Committee and Deputy Chair of the Scientific Committee

Earthquake Resistance of Precast Concrete Structures September 29 and 30, 2011, Athens, Greece



(Left picture) From left to right: A. Van Acker, Ex-chairman of *fib* Commission 6: “Prefabrication”; Iria Doniak, Brazilian Deputy Delegate to *fib*; S. Tsoukantas organizer of the *fib* course & convener of *fib* Task Group 6.10; J. Toscas PCI President.

(Right picture) A. Van Acker, Ex-chairman of *fib* Commission 6: “Prefabrication” and S. Tsoukantas organizer of the *fib* course & convener of *fib* Task Group 6.10 perform for the course participants.

On 29-30 September 2011 *fib* Commission 6: “Prefabrication” co-organized with the *fib* National Member Group (the Hellenic Concrete Section of the Technical Chamber of Greece), an international *fib* short course on “Earthquake Resistance of Precast Structures”. The second such course to be held in Greece, it was a resounding success, attended by over 160 engineers from around the world, including 78 attendees from Greece, 14 from Russia, 12 from India, 10 from Ger-

many, 7 from Italy, 6 from Belgium, 6 from Indonesia, 4 from Turkey 4 from the USA, 3 from each of Egypt, Poland and Ukraine, and other countries.

Prof. *Spyros Tsoukantas*, Convener of *fib* Task Group 6.10 (“Precast Concrete Buildings in Seismic Areas – Practical Aspects”) was the main organizer of the course, with the support and sponsorship of ECHO Engineering (Houthalen, BE), EBAAWE (Eilenburg, DE), Wiggert &

Co., (Karlsruhe, DE), PAUL Maschinenfabrik (Dürmentingen, DE), RATEC (Hockenheim, DE), KÜBAT Förderanlagen (Altshausen, DE), Li-Con (Minden, DE), PATRIOT Engineering (Moscow, RU), CRD Group (Athens, GR) and Peikko Group (Athens, GR).

At the opening of the first day, Mrs *Irene Kanitakis*, Head of the Hellenic Concrete Section of the Technical Chamber of Greece welcomed the participants on behalf of the *fib*

National Member Group. Prof *Michael N. Fardis*, Honorary President and Immediate Past President of *fib*, including its structure, organization, Commissions and Special Activity Groups, as well as the benefits for National Member Groups and individual members of *fib*. The technical programme of the first day included the following presentations:

- “Precast Concrete: What and Why” and “Design of Precast Concrete Structures against Accidental Actions”, by *A. Van Acker* (BE),
- “Design Provisions for Precast Buildings in Seismic Areas”, by *S. Tsoukantas* (GR),
- “Untopped Seismic Resistant Hollow-core Floor Diaphragms”, by *M. Menegotto* (IT),
- “Overview of EC Research Program on Prefabrication: Safecast”, by *G. Toniolo* (IT),
- “Dry Jointed Ductile Connections”, by *S. Pampanin* (NZ),
- “USA Experience with Seismic Design and Construction of Precast Concrete Structures” by *S.K. Ghosh* (USA).

A round table discussion followed, involving all speakers, PCI President *J. Toscas*, Mrs *I. Kanitakis* and Prof. *M.N. Fardis*, during which Jim Toscas presented videos of the shake table and pseudo-dynamic tests of full-scale multi-storey precast buildings with dry jointed connections performed in the US in the framework of the PRESS program supported by the Precast Concrete Institute (PCI). Participants joined a lively discussion that lasted until late in the evening.

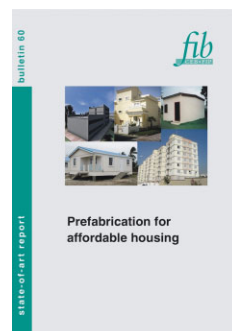
The second day was devoted to visits to precasting plants in the vicinity of Athens. The main theme in the PRO HELLAS plant was: “Pro Hellas double walls for seismic applications” and was presented by *T. Topintzis*; in the TOP ELEMENT precasting plant it was: “Hollow Core slabs in seismic conditions”, presented by *S. Maas*.

All participants in the course received PDF files of *fib* Bulletins 6, 19, 21, 27, 29, 37, 41 and 43, which deal with various aspects of Precast Concrete, a 184-volume with extended write-ups of the technical material of the course (in colour), and certificates of attendance.

A meeting of *fib* Commission 6: “Prefabrication”, together with PCI, was held after the event on October 1st.

For further information about *fib* Short Courses, visit: www.fib-international.org/courses.

fib Bulletins



fib Bulletin 60: *Prefabrication for affordable housing*. State-of-art report, August 2011. 130 pp. ISBN 978-2-88394-100-7. Non-member price: 100 CHF.

The need for housing has increased significantly during the last decades all over the world. It is felt particularly in countries where the population growth rate is high and the economy is developing fast; but everywhere people are shifting from the countryside to towns, where housing in neighbourhoods often becomes critical. The need for affordable housing may concern high-rate urbanization, rural areas to be upgraded, workers' settlements in remote regions, rebuilding dwellings destroyed by disasters such as earth-

quakes, floods or wars, and even holiday resorts and leisure dwellings.

Large projects always face cost- and time-constraints. Local conditions may be variable with respect to the physical, social and economic environment. Thus, minimising cost and time of construction, while maximising quantity and quality of product, may lead to different solutions. The concept of “affordable”, meaning compatibility of demand and means, is well understood as such everywhere, although its practical application may be much different from place to place.

Concrete is a material that lends itself well to affordable housing: it is durable, has good thermal inertia, can be used both as structural and finishing material, and is not sensitive to organic attack. It also has some disadvantages, such as higher cost in developing countries compared to developed countries, and also a potential lack of materials, mainly cement or admixtures. Prefabrication, with its adaptability and quality consciousness, may offer valid, speedy, cost efficient and sustainable solutions.

fib Bulletin 60 offers an overview of housing systems as well as information on their features. It shows the main features of a number of construction systems, without entering into the details of the solutions. It aims to make possible a comprehensive comparison, which should help in learning, exchanging and developing ideas on how to better meet the housing needs everywhere, at sustainable cost. A document of this kind was not available before; it is therefore expected to be of great interest and a source of ideas for all those who have to confront similar problems.

To order this and other *fib* bulletins, visit: www.fib-international.org/publications.

New fib website launched



The *fib* secretariat is pleased to announce that a new version of the organization's website has been launched. It includes a more modern look and interface, as well as an online store for the purchase of *fib* Bulletins, CEB Bulletins, and FIP reports.

Customers of the online store can pay by credit card, which is debited securely via PayPal, or by bank transfer. Member discounts on purchases are still granted but a special discount code is now needed; for further information please contact the *fib* secretariat.

As with the previous site, *fib* members can log into a secure "members only" area where they can access the contact details of other *fib* members, notes from Commission and Task Group meetings, and internal documents such as the *fib* statutes and annual reports.

The main page of the site displays short news items from *fib*'s RSS feed, under the heading "Latest news". Users can subscribe to this feed to receive these news items directly; the address of the feed is: www.fib-international.org/RSS.

Elices receives Spanish national engineering prize



Congratulations to Prof. *Manuel Elices Calafat*, who has been awarded the Spanish National Civil Engineering Prize for 2011.

The award, which is given by the Minister of Public Works, *José*

Blanco, in a public ceremony was awarded to *Manuel Elices* in recognition of his career oriented primarily to research and development in Science and Engineering of Materials, in which he has made important contributions in the fields of mechanical behavior of concrete and steel, fracture mechanics and structural safety and, more recently, biological materials and biomaterials.

Prof *Elices* is a longtime active member of *fib* and *fib* Commission 9. He is convener of Task Group 9.5, "Durability of prestressing materials".

Hans Wittfoht † 1924-2011



Born in 1924, *Hans Wittfoht* received his diploma in civil engineering in 1951 and his doctorate in 1963 at the Technical University of Karlsruhe. In 1946 he joined the firm Polensky & Zöllner, where he eventually became a member of the Board in 1968 and an active Partner from 1970 to 1987.

Hans Wittfoht was known for his imaginative approach and daring bridge designs. He developed a prestressing method for concentrating a larger prestressing force than ever

before in a single bundle of tendons, and was the first to use continuous prestressing cables in cantilever construction. His most remarkable projects include the Krahenberg bridge along the Rhine (1961-64), the Siegen-Eiserfeld highway bridge (1965-69), the Köhlbrand bridge in Hamburg (1970-74), and the first prestressed concrete bridge put in place by rotation, over the river Tigris in Baghdad (1980-1982).

Hans Wittfoht received many awards and honors, and was very active in international associations including *fib*'s predecessor FIP. He was awarded the FIP Medal in 1978 and was President of FIP from 1984 to 1988. In 1994 he was awarded the Freyssinet Medal for his outstanding technical contributions in the field of structural concrete. He passed away on 26 August 2011 at the age of 86.

Andrew Beeby † 1939-2011



It can be stated without exaggeration that *Andrew Beeby* has had a significant influence in the way reinforced concrete design is carried out in the UK and to an extent in Europe and other countries. This stems from his original research leading to practical application, his influential publications (over 120) and his active participation in code drafting in the UK and Europe.

After graduating in 1960 from Northampton Engineering College (then a college of London University now City University), *Andrew Walter Beeby* joined John Laing & Sons and worked on site and in the design office for four years on motorways and multi-storey structures.

In 1964 he took up a position as Research Engineer with the Cement and Concrete Association (C&CA). His tasks included an extensive research programme on the prediction and control of cracking in reinforced and pre-stressed concrete, monitoring of structures in service and development of design aids. He was also concerned with the drafting of the first British Code of Practice (CP 110) using limit state principles. In 1971, Andrew was awarded a PhD by London University for his thesis "The prediction of cracking in reinforced concrete members". Between 1978 and 1988 he took up different positions within C&CA culminating in his appointment as the Director of Design and Construction. In this period his research covered a wide range of topics, such as impact resistance of concrete

beams, cracking and corrosion, alkali-silica reaction, shear and bond.

In 1991, *Andrew Beeby* took up the position of Professor of Structural Design at the University of Leeds. Alongside his teaching, he continued his research and code drafting activities. The research included the influence of ductility on the performance of reinforced concrete members, behaviour of slab systems during construction using the full scale experimental structure at Cardington, the long term interaction of steel and concrete in tension (tension stiffening), membrane effects in frames and safety of structures.

He was closely involved with the development of the Eurocode on concrete. He was the convenor of the Eurocode on "Liquid retaining and containment structures".

Andrew Beeby was involved with CEB and *fib* since the early 1970s, when he participated in the work of CEB commissions on cracking, calculation and limitation of deflections, and bending and compression. He participated actively in all of these commissions, leading up to the publication of the 1978 Model Code. He later became a member of Commission 5: *Serviceability*, and of General Task Group 20: *Durability and Service Life of Concrete Structures*, contributed to the CEB *Design Guide on Durable Concrete Structures*, and was chairman of CEB Commission 2: *Material and Behaviour Modelling*. He was a member of the CEB Advisory Committee and later the *fib* Steering Committee, head of the British national group in CEB for many years, and was the first Editor-in-Chief of the *Structural Concrete Journal*, a position he held until 2001.

He was an active member of *fib* Special Activity Group 2, Dissemination of knowledge, contributing to both

the first and second editions of the *fib* Structural Concrete textbook (Bulletin 2 in 1999 and Bulletin 52 in 2010).

In 2004 he was awarded Honorary Life Membership in *fib*, in recognition of his many achievements and contributions.

Andrew's technical contribution to code committees has been prodigious. Some areas of both British Standards and Eurocodes derive directly from his research in the area of serviceability. His work on cracking in the 1960's has stood the test of time and remains the basis for the design of crack control in concrete structures. His studies in the 70's on corrosion and cracking still form the basis of views on the subject more or less world-wide.

Andrew commanded wide respect throughout the industry. His standing and reputation are indeed high throughout the world. He was awarded the Fellowship of the American Concrete Institute in 1991, and in 2000 the Institution of Structural Engineers honored him with their prestigious Lewis Kent Award. He was elected a Fellow of the Royal Academy of Engineering in 2003. This recognition particularly pleased him. In his own words he was 'thoroughly chuffed'!

He was handicapped by an illness soon after his retirement from the University in 2004. This was a cruel blow, but for which he would have contributed even more in his field.

Andrew was a mild mannered and courteous, private man. For all his achievements, he was very modest.

He passed away on 28 October 2011. He is survived by his wife *Greta*, two sons and a daughter.

R. S. Narayanan

Congresses and symposia

Date and location	Event	Main organiser	Contact
7-9 February 2012 Neu-Ulm, Germany	56th BetonTage	FBF Betondienst GmbH	www.betontage.de
7-9 March 2012 Kassel, Germany	3rd International Symposium on UHPC and Nanotechnology for High Performance Construction Materials	Universität Kassel	www.hipermat.de
29 May - 1 June 2012 Aix-en-Provence, France	International Conference on Numerical Modeling Strategies for Sustainable Concrete Structures (SSCS 2012)	AFGC	www.sscs2012.com
11-14 June 2012 Stockholm, Sweden	<i>fib</i> Symposium: Concrete Structures for a Sustainable Community	<i>fib</i> group Sweden	www.fibstockholm2012.se
17-20 June 2012 Brescia, Italy	Bond in Concrete 2012: Bond, anchorage, detailing	University of Brescia, Italy	www.bondinconcrete2012.org
22-25 July 2012 Karlsruhe, Germany	9th <i>fib</i> International PhD Symposium in Civil Engineering	KIT Karlsruhe, Germany	http://fib-phd.imb.kit.edu/
19-21 September 2012 Guimaraes, Portugal	8th International Symposium on Fibre Reinforced Concrete	University of Minho RILEM	www.befib2012.civil.uminho.pt
20-24 April 2013 Tel-Aviv, Israel	<i>fib</i> Symposium: Engineering a Concrete Future: Technology, Modeling and Construction	<i>fib</i> group Israel	www.fib2013tel-aviv.co.il
27-29 May 2013 Tokyo, Japan	1st International Conference on Concrete Sustainability	JCI	www.jci-iccs13.jp
10-14 February 2014 Mumbai, India	4th International <i>fib</i> Congress and Exhibition	<i>fib</i> group India	website and email address to be announced

The calendar lists *fib* congresses and symposia, co-sponsored events and, if space permits, events supported by *fib* or organised by one of its National Groups. It reflects the state of information available to the Secretariat at the time of printing; the information given may be subject to change.

Acknowledgement

fib – fédération internationale du béton – the International Federation for Structural Concrete – is grateful for the invaluable support of the following National Member Groups and Sponsoring Members, which contributes to the publication of *fib* technical bulletins, the Structural Concrete Journal, and *fib*-news.

National Member Groups

AAHES – Asociación Argentina del Hormigón Estructural
 CIA – Concrete Institute of Australia
 ÖVBB – Österr. Vereinigung Für Beton und Bautechnik, Austria
 GBB – Groupement Belge du Béton, Belgium
 ABCIC – Associação Brasileira da Construção Industrializada de Concreto, Brazil
 ABECE – Associação Brasileira de Engenharia e Consultoria Estrutural, Brazil
fib Group of Canada
 CCES – China Civil Engineering Societ
 Hrvatska Ogranak *fib*-a (HOFIB) Croatian Group of *fib*
 Cyprus University of Technology
 Czech Concrete Society, Czech Republic
 DBF – Dansk Betonforening, Denmark
 Suomen Betoniyhdistys r.y., Finland
 AFGC – Association Française de Génie Civil, France
 DAfStb – Deutscher Ausschuss für Stahlbeton e.V., Germany
 DBV – Deutscher Beton- und Bautechnik- Verein e.V., Germany
 FDB – Fachvereinigung Deutscher Betonfertigteiltbau e.V., Germany
 Technical Chamber of Greece
 Hungarian Group of *fib*
 The Institution of Engineers (India) Technical Exec. (Nezam Fanni) Bureau, Iran
 IACIE – Israeli Association of Construction and Infrastructure Engineers

Consiglio Nazionale delle Ricerche, Italy
 JCI – Japan Concrete Institute
 JPCEA – Japan Prestressed Concrete Engineering Association
 Administration des Ponts et Chaussées, Luxembourg
 Betonvereniging – *fib* Netherlands
 New Zealand Concrete Society
 Norsk Betongforening, Norway
 Committee of Civil Engineering Concrete Structures Section, Poland
 Polish Academy of Sciences
 GPBE – Grupo Portuges de Betao Estrutural, Portugal
 Society for Concrete and Prefab Units of Romania
 Technical University of Civil Engineering, Romania
 Association for Structural Concrete, Russia
 Association of Structural Engineers, Serbia
 Slovak Union of Civil Engineers
 Slovenian Society of Structural Engineers
 ACHE - Asociacion Cientifico-Técnica del Hormigon Estructural, Spain
 Svenska Betongföreningen, Sweden
 Délégation nationale suisse de la *fib*, Switzerland
 ITU - Istanbul Technical University, Turkey
 NIISK Research Institute of Building Construction, Ukraine
fib UK Group
 ASBI – American Segmental Bridge Institute
 PCI – Precast/Prestressed Concrete Institute
 PTI Post Tensioning Institute

Sponsoring Members

Preconco Limited, Barbados
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 FIREP Rebar Technology GmbH, Germany
 MKT Metall-Kunststoff-Technik GmbH, Germany
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 PC Bridge Company Ltd., Japan
 SE Corporation, Japan
 Sumitomo Mitsui Construction Co. Ltd., Japan
 BBR VT International Ltd., Switzerland
 SIKA Services AG, Switzerland
 VSL International Ltd, Switzerland
 China Engineering Consultants, Inc., Taiwan (China)
 PBL Group Ltd, Thailand
 CCL Stressing Systems Ltd, United Kingdom
 Strongforce Engineering PLC, United Kingdom

2011 reviewers

The following is a list of referees who have reviewed papers for Structural Concrete in 2011. Ernst & Sohn and *fib* are very grateful for their assistance.

Alsayad, Saleh Hamed (King Saud University, Saudi Arabia)
Andrade, Carmen (Instituto de Ciencias de la Construcción Eduardo Torroja, Spain)

Balázs, György L. (Budapest University of Technology and Economics, Hungary)
Banthia, Nemkumar (University of British Columbia, Canada)
Bastien, Josee (université Laval, Canada)
Braestrup, Mikael (Ramboll, Denmark)
Brameshuber, Wolfgang (RWTH Aachen, Germany)
Breitenbucher, Rolf (Ruhr-Universität Bochum, Germany)
Burgoyne, Chris (University of Cambridge, United Kingdom)

Caspeele, Robby (Ghent University, Belgium)
Cervenka, Vladimir (Cervenka Consulting, Czech Republic)
Chiorino, Mario (Politecnico di Torino, Italy)
Coelho, Rajan (Université Libre de Bruxelles, Belgium)
Curbach, Manfred (Technische Universität Dresden, Germany)

d'Arcy, Tom (Consulting Engineers Group, United States)
De Belie, Nele (Ghent University, Belgium)
De Pauw, Peter (Ghent University, Belgium)
De Schutter, Geert (Ghent University, Belgium)
Dehn, Frank (Leipzig Intitute for Materials Research and Testing (MFGPA), Germany)
Desmyter, Jan (Belgian Building Research Institute, Belgium)
Dilger, Walter (University of Calgary, Canada)

Espion, Bernard (Université libre de Bruxelles – Université d'Europe, Belgium)

Fardis, Michael (University of Patras, Greece)
Feys, Dimitri (Université de Sherbrooke, Canada)
Foster, Stephen J (The University of New South Wales, Australia)
Ganz, Hans R. (VSL, Switzerland)
Gardner, John (University of Ottawa, Canada)
Gettu, Ravindra (Department of Civil Engineering, India)

Hegger, Josef (RWTH Aachen, Germany)
Helland, Steinar (Skanska Norge As, Norway)

Ibell, Tim (University of Bath, United Kingdom)

Joglekar, S.G. (Stup Consultants P Ltd., India)

Kollegger, Johann (Vienna University of Technology, Austria)

Mancini, Giuseppe (Politecnico di Torino, Italy)
Manfredi, Gaetano (Universita di Napoli Federico II, Italy)
Matthews, Stuart (BRE, United Kingdom)
Mazars, Jacky (Grenoble Institute of Technology, France)
Menegotto, Marco (Sapienza University of Rome, Italy)
Mollaert, Marijke (Vrije Universiteit Brussel, Belgium)
Müller, Harald (Karlsruhe Institute of Technology, Germany)
Muttoni, Aurelio (École Polytechnique Fédérale de Lausanne, Switzerland)

Pilakoutas, Kypros (The University of Sheffield, United Kingdom)
Pinto, Paolo (Sapienza, University of Rome, Italy)

Rossi, Pierre (IFSTTAR, France)

Schmidt, Michael (Universität Kassel, Germany)
Shah, Surendra (Northwestern University, United States)
Shi, Caijun (Hunan University, China)
Sigrist, Viktor (Hamburg University of Technology, Germany)
Silfwerbrand, Johan (The Swedish Cement and Concrete Research Institute (CBI), Sweden)
Strasky, Jiri (Brno University of Technology, Czech Republic)
Strauss, Alfred (Universität für Bodenkultur Wien, Austria)
Sykora, Miroslav (Czech Technical University in Prague, Klokner Institute, Czech Republic)

Triantafillou, Thanasis (University of Patras, Greece)

Ueda, Tamon (Hokkaido University, Japan)

van Acker, Arnold (Belgium)
Van Bogaert, Philippe (Ghent University, Belgium)
van Breugel, Klaas (Delft University of Technology, Netherlands)

Ye, Guang (Delft University of Technology, Netherlands)

Westerberg, Bo
Windisch, Andor