

## First meeting of fib's new Technical Council

As reported in the September 2006 issue of *fib-news*, a new body named the 'Technical Council' (TC) replaces the former 'Steering Committee' and 'Council' (see figure below). By invitation of the Swiss National Member Group, the TC met for the first time on 1-2 December 2006 at the ETH Zurich, Switzerland, with a very good participation (37 members present, 21 national groups represented).

Two deputy-chairs were elected: Gordon Clark (UK) and Tor Ole Olsen (Norway) will serve from 2007 – 2010 as representatives of the TC in the *fib* Presidium (see page 50). They will also join the group of seven trustees of the CEB Trust Fund for this period.

The Technical Council then expressed its gratitude to Jean-Philippe Fuzier (France), who retired as editor-in-chief of *fib*'s Structural Concrete Journal. Luc Taerwe (Belgium), the former deputy editor, has now taken over the editor's position (see also Short Notes, page 51).

There were also some changes in membership of the TC. Welcomed in particular were the new Heads of Delegation as members of Council: Milan Kalny (Czech Republic), Michel Moussard (France) and Aurelio Muttoni (Switzerland). For more details, and also the 11 invited new members for 2007 -2010, see the Directory 2006 that was recently sent to all members.

Very much appreciated were the invited statements from National Member Groups (NMG). Peter Ritz (Switzerland), Hans-Ulrich Litzner (Germany), Jun Yamazaki and Koji Sakai (Japan), Dick Stoelhorst and Joost Walraven (The Netherlands), and Jean-Philippe Fuzier, Jean-Marc Tanis and Michel Moussard (France) reported on the various ways in which their NMGs are organised and financed, developing technical viewpoints and defining priorities for future work in *fib*. It is intended to continue in future meetings this series of national reports to the TC.

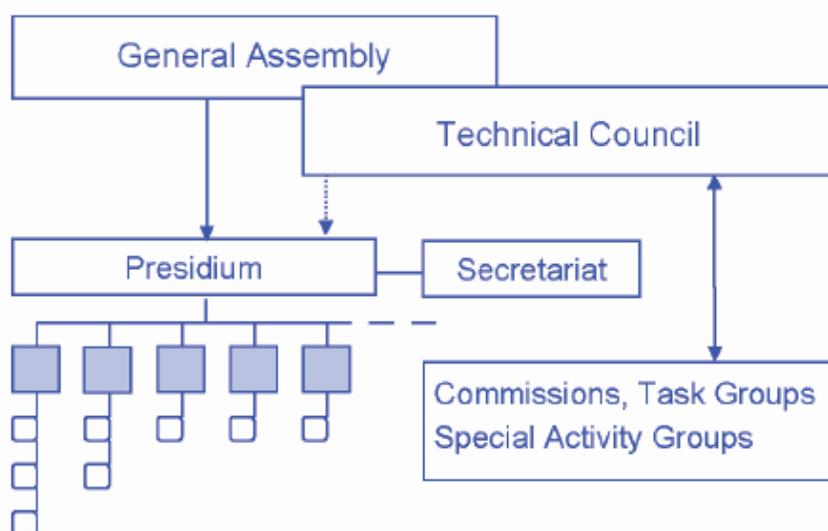
A discussion followed on the priorities of future activities, triggered by Hugo Corres' presentation on Latin America in relation with *fib*. This region is one of several where *fib* is not very well represented. The Presidium will look into this question in more detail.

The creation of the following new Task Groups (TG) was suggested:

- a new TG on segmental construction, focusing firstly on bridges;
- a new TG on high-rise buildings, to be considered by Commission 1;
- a new Special Activity Group (SAG) on Steel-concrete composite structures.

Terms of reference for these TGs will be developed for the next TC meeting. Participants in *fib*'s work who are interested in contributing should contact the secretariat.

Finally, it was proposed to facilitate access to *fib* bulletins for students. The secretariat's proposal (see p. 50) has been circulated to potentially interested parties.



The new organisational structure of *fib*

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[www.fib-international.org](http://www.fib-international.org)

## fib symposium 2007, Dubrovnik



Dubrovnik, often called the “pearl of the Adriatic”, is the venue of the 2007 *fib* symposium.

The 2007 *fib* symposium, taking place in Dubrovnik, Croatia, from 20 to 23 May 2007, will offer an ideal combination of old and new: the latest structural concrete technologies and innovations presented in a historically- and culturally-rich context on the Adriatic coast.

The symposium will focus on the role of concrete structures as stimulators of development that enhance quality of life. The technical sessions will address the following subjects:

- **Concrete structures connecting mainland and islands**

Concrete structures play a crucial role in connecting mainland and islands, and in bringing undeveloped islands to life. Furthermore, they protect residents of coastal areas from natural hazards. The design and construction of structures such as bridges, tunnels, harbours will be addressed under this topic.

- **Concrete structures in energy production**

Energy production is an essential element in modern life. Structures such as dams, wind power plants and other

are connected with energy production facilities in which concrete structures are of vital importance. The design and construction of such energy production facilities will be dealt with in this section.

- **New materials**

The ongoing development of new materials in concrete production and the construction of concrete structures plays an important role in optimising the construction, design and further use of the concrete structures, as well as improving construction techniques and material characteristics. Papers in this section will show new developments in these areas.

- **Analysis**

With a growing development of computer software, new analysis of the behavior of concrete structures is becoming increasingly complex. Papers in this section will deal with recent developments in this field.

- **Durability, inspection and maintenance**

In a lifecycle of concrete structures, durability, inspection and maintenance

are increasingly important in determining and prolonging their service life. Problems concerning building material production and construction technologies, including those related to bearing capacity, stability and durability of concrete structures will be presented. Papers will address the latest scientific developments in this field.

Papers on these topics will be presented during technical sessions that will be held in parallel over the course of three days. In addition, the *fib* diploma for younger engineers will be awarded, and the awardees will present summaries of their work to the public.

Registration is now open for the symposium, with a reduced fee for those who register by 15 March 2007. A special price is available for young engineers (born in 1977 or later) who are members of *fib*.

The symposium venue will be the Hotel Croatia, situated in Cavtat, just south of Dubrovnik. This five-star hotel offers spacious, comfortable conference halls and meeting rooms and the possibility of lodging directly at the symposium venue. A commercial exhibition will be held in parallel with the symposium at the same venue, offering an ideal opportunity for companies to display their products and services.

The main technical tour will take visitors to see the rehabilitation and extension of the Dubrovnik's passenger port, and the cable-stayed bridge over the Ombla River – one of the largest single-pylon cable-stayed bridges in Europe.

Tours and excursions will be organised for accompanying persons during the symposium, and will include a walking tour of Dubrovnik and an island cruise.

For further information, visit the symposium website, [www.igh.hr/fib-dubrovnik-2007](http://www.igh.hr/fib-dubrovnik-2007).

## fib-days, India

The Indian Member Committee of *fib* (IMC-*fib*) organised a two-day International Conference "*fib*-days 2007" in Mumbai, India, on 9-10 February, followed by a half-day Technical Visit to the Bandra-Worli Sea Link Project in Mumbai.

The well-attended conference (about 300 participants) focused on summary reports from the 2006 *fib* congress in Naples. Each session was opened by invited keynote speakers: H.-R. Ganz (*fib* President, Switzerland), G. Mancini (Honorary President, Italy), M. Virlogeux (Honorary President, France), H. Mutsuyoshi (Japan), M. Schlaich (Germany). Major construction projects in India were also presented.

It was highly appreciated that *fib* and the Italian National Group had generously waived the royalties for copying the two CDs containing the full proceedings from the Naples congress. In this way the proceedings were available to all of the conference participants, included in the modest participation fees.

The success of the 2007 *fib*-days conference was made possible by the



Inaugurating the conference by lighting the lamp. From left to right: D.K. Gowda (IE(I) President); H-R Ganz (*fib* President); G. Mancini (Honorary *fib* President); T. Subba Rao (*fib* Chair SC); S.C. Naik (Past-President IE(I)); A.R. Jambekar (Organising Committee Secretary).

support of the following companies.

Principal Sponsors:

- Gammon India Ltd.
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Co-sponsors:

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- Aquarius Engineers Pvt. Ltd.
- Dextra India Pvt. Ltd.

It is hoped that there will be other opportunities to hold further *fib*-days elsewhere in India.

## Upcoming *fib* events, 2007-2008

### 2007 July 16-18, Patras, Greece

*FRPRCS-8: 8th International Symposium on Fiber Reinforced Polymer Reinforcement for Concrete Structures*

[www.frprcs8.upatras.gr](http://www.frprcs8.upatras.gr)

The FRPRCS is a prestigious bi-annual symposium focusing on the research, development and application of fiber reinforced polymer (FRP) reinforcement (externally applied or internal) for concrete and other structures (such as unreinforced masonry, including historic buildings). Attracting engineers and researchers from around the world, the Patras event will be a continuation of the successful symposia previously held in Vancouver (Canada), Ghent (Belgium), Sapporo (Japan), Baltimore (USA), Cambridge (UK), Singapore and Kansas City (USA).

Early registration: before 1st May 2007. Student discount available. Registration includes a technical visit to Rion-Antirion Bridge and social excursion on July 16.

### 2007 September 4-7, Stuttgart, Germany

*Second Symposium on Connections between Steel and Concrete*

[www.iwb.uni-stuttgart.de/symposium](http://www.iwb.uni-stuttgart.de/symposium)

The main objective of this symposium is to provide a forum for researchers and practitioners to present and to discuss the

state-of-the-art and new research developments in the field of connecting steel and concrete.

The symposium will focus on the local behavior of connections between steel and concrete without neglecting their influence on the global behavior of the structure.

Early registration: before 1st May 2007. Student discount available.

### 2008 May 18-21, Amsterdam, The Netherlands

*fib Symposium: "Tailor Made Concrete Structures: New Solutions for Our Society"*  
[www.fib2008amsterdam.nl](http://www.fib2008amsterdam.nl)

The symposium will focus on design and construction in concrete together with the techniques and technologies needed today and in the near future.

### Call for papers

The following topics will be addressed:

- Life cycle design
- Increasing the speed of construction
- Modifying and adapting structures
- Diagnosis of structures
- Codes for the future
- Underground structures
- Building in condensed areas
- Maintaining the cultural inheritance

- Developing a modern infrastructure
- Innovative materials
- Architectural concrete and concrete structures
- Monitoring and inspection
- Designing structure against extreme loads
- Financing
- Design strategies for the future

Papers should be innovative, challenging and should reflect current and future trends and practices in all aspects of concrete and hybrid structures. Advanced case studies are particularly welcome. All papers should reflect the general theme of the symposium.

Abstracts of 150 - 250 words, in English, should be submitted in MS word to the Congress secretary by **1st August 2007**. Information on the acceptance of abstracts and for the preparation of final papers will be given by 15 November 2007.

#### 2008, October 27-29, Tokyo, Japan

*8th International Symposium on Utilization of High-Strength and High-Performance Concrete*

www.jci-web.jp/8HSC-HPC

The symposium will be a continuation of the previous successful symposia held in Stavanger (1987), Berkeley (1990), Lillehammer (1993), Paris (1996), Sandefjord (1999), Leipzig (2002) and Washington D.C. (2005). The symposium will bring together engineers, designers, researchers and scientists from around the world to promote better understanding of common interests ranging from the most recent researches to the latest applications of high-strength and high performance concrete for construction.

#### Call for papers

Papers are welcome under the following subjects associated with high-strength concrete, self-compacting concrete, high-

performance fiber reinforced concrete, highly durable concrete, high-ductility concrete, etc. The main topics are:

- Testing methods and standardization
- Concrete and reinforcing materials
- Mechanical properties
- Fresh properties and constructability
- Structural performance
- Durability and long-term performance
- Design considerations
- Applications

#### Important dates

- Submission of 300 word abstracts: **15 December 2007**
- Abstract acceptance and notification: 15 February 2008
- Submission of draft manuscript: 31 May 2008
- Early registration: until 30 June 2008
- Notification of manuscript acceptance: 30 June 2008
- Submission of final manuscript: 31 July 2008

## Newly appointed *fib* Presidium members, 2007-2010

The December 2006 issue of *fib-news* reported on the elected Presidium members who will guide *fib* during the coming years. Since then, the Technical Council, *fib's* new administrative body (see page 47), have appointed two additional Presidium members: Gordon Clark (UK) and Tor Ole Olsen (Norway). Their short CVs are presented below.



**Clark, Gordon**  
*fib* Presidium member, 2007-2010

Clark, Gordon M., was born in 1953. He graduated in Civil Engineering from Imperial College London in 1974 and started his career working for Civil Engineering Contractors. He joined Consulting Engineers Gifford in 1976 and was appointed a Director in 1992, where he has specialised mainly in bridge design. His early experience was in concrete and steel bridges and especially in post-tensioned bridges for which Edwin Gifford himself was an early pioneer in the 1950's.

In 1992 as a member of the UK Concrete Society Design Group he became involved in work researching and investigating the problems with grouting which emerged in the UK and was a primary contributor to the development and improvement of standards for post-tensioned bridges in the UK and more recently through *fib* and European Standards, for which he is responsible to CEN/TC104/SC2. He became UK FIP Vice-President in 1996 and joined *fib* Commission 9 where he became an active member and has contributed to several Bulletins in the fields of Post-tensioning, Grouting and Durability. He is currently Chairman of *fib* Commission 1 Structures and deputy chair of TG1.1 Bridges. He was the Project Director for Gifford for the award-winning Gateshead Millennium Bridge (opened in 2001) which has become an icon around the world, and was Head of Civil Engineering for Gifford from 1999. In the UK he is chair of the British Standards Structural Concrete committee and is a non-executive Board member of CARES the Certification Authority for Reinforcing Steels. He has lectured and published papers on bridges, especially those of an aesthetic and architectural nature. In 2007

he takes up an appointment in a wider role as Chairman of Gifford, which has grown to become an independent multi-disciplinary Consultancy of 650 staff.



**Olsen, Tor Ole**  
*fib* Presidium  
member,  
2007-2010

Tor Ole Olsen, born in Oslo in 1950, earned his degree in Civil Engineering from the University of Toronto, Canada. His professional experience includes the design of structures, in particular concrete structures and conceptual development. Native of Norway, his early years involved the development of offshore concrete platforms, working for the company Dr.techn.Olav Olsen a.s. founded by his father (Olav Olsen received the FIP Medal in 1980, mainly for his role in the pioneering days of oil and gas development in the North Sea, particularly with the Condeep platforms). Today Tor Ole Olsen is the managing director of Dr.techn.Olav Olsen a.s. The prime advantages of the Condeep design were that the entire structure could be completed inshore, including the topside, and the base served the dual purpose of storage and foundation structure. The Condeeps, in all 15 platforms, represented close to 2 mill. cubic meters of concrete. They include the Gullfaks C displacing 1.5 million tons during tow out (the heaviest object ever moved by man, named one of the modern wonders by *The Economist* in 1994), Troll A sitting on the seabed 303m below the water surface with a base of 16600 m<sup>2</sup> and 36 m skirts penetrating the soft seabed, and the elegant Draugen monotower. An interesting aspect of this pioneering period is that it was the construction industry that developed the Condeep production platform, not the

ship industry. Recent developments include the MPU Heavy Lifter, a robust concrete floater for installing and removing platforms from the sea. This structure is now to be build in the Netherlands. Tor Ole Olsen is a former chairman of the Norwegian Concrete Association and of the Nordic Concrete Federation, and is currently Head of the Norwegian delegation in *fib*. He has participated in several *fib* Task Groups and is a member of Commissions 1 and 3, and is currently the convener of TG1.5 "Concrete structures in marine environments".

## Short notes

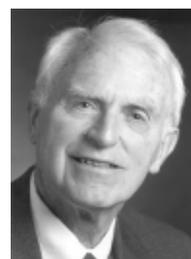
The *fib* secretariat is pleased to announce a new initiative aimed at achieving a broader distribution of *fib* bulletins among students. University professors in civil engineering who are subscribing members in *fib*, or Individual Representatives of a corporate member, and wish to use an *fib* bulletin as part of their course materials can now apply for a PDF version of the bulletin. The bulletin will be provided at the normal member price (50 % off the non-member price), along with a special waiver allowing its free distribution, in electronic or printed form, to all students enrolled in the course, under the sole condition that the bulletin shall not be made available to third parties outside of the course.

For further information on obtaining PDF files of *fib* bulletins for teaching purposes, contact the secretariat at [fib@epfl.ch](mailto:fib@epfl.ch).

Luc Taerwe of Ghent University, Belgium was recently named successor to Jean-Philippe Fuzier as Editor of *fib's* Structural Concrete Journal, with Steinar Helland of Skanska Norge AS, Norway, as Deputy

Editor. In the coming months there will also be a number of changes within Editorial Board itself; the Board's new composition will be listed in the June 2007 issue of the Journal.

## Obituary



**Ben C. Gerwick**  
1919-2006

*(English version follows on next page.)*

Ben C. Gerwick, Jr. est né en 1919 à Berkeley. Diplômé en Génie Civil de l'université de Californie, il s'engage en 1940 dans la marine où il accomplit un terme de six ans, s'illustrant en particulier dans la guerre du Pacifique. A son retour, il rejoint son père, fondateur de la société Ben C. Gerwick, spécialisée dans les fondations et les travaux maritimes.

Très tôt, il réalise le potentiel de l'idée de précontrainte, et il installe au sein de sa société un banc de pré-tension pour la préfabrication de pieux, de poutres de pont et de traverses de chemin de fer, développant cette technique avec succès.

En 1971, Ben accepte un poste de professeur de génie civil à l'Université de Berkeley, puis, à la suite d'une fusion de sa société avec Pomeroy, il fonde une société de conseil sous le même nom de Ben C. Gerwick, Inc. aujourd'hui affiliée au groupe COWI. Dans cette activité, il est appelé à intervenir pour de grands ouvrages dans le monde entier, notamment pour des plates-formes offshore en Mer du Nord.

Il serait trop long de lister toutes les distinctions et nominations de nombreuses nations que lui valut sa réputation internationale; je rappellerai simplement que la compétence de Ben l'amena tout naturellement à participer activement à la vie des associations techniques: il fut Président du Prestressed Concrete Institute dès 1957, puis Président de la FIP (Fédération Internationale de la Précontrainte) de 1974 à 1978. Dans cette fonction, il eut tout d'abord à faire face aux conséquences de la première crise pétrolière: la fin des "trente glorieuses" amenait les membres de l'association à réduire leurs contributions, tandis que le Royaume Uni qui jusque là avait pris en charge les frais de secrétariat, annonçait la fin de son soutien. Ben eut à coeur de rétablir l'équilibre financier de la FIP pour me laisser une situation assainie lorsque je lui succédai en 1978. Dans le même temps, il put régler le délicat problème de la compétition entre les deux associations américaines, PCI et PTI, et amorcer la solution d'un conflit entre les deux associations chinoises, toutes deux désireuses d'une exclusivité au sein de la FIP.

Au plan personnel, Ben était un ami fidèle et plein d'attentions, soucieux du bien-être de chacun sans pour autant se départir de la rigueur nécessaire pour la bonne marche de l'association dont il assumait la présidence. Ma femme, grande amie de son épouse Martelle et moi gardons l'excellent souvenir d'un séjour dans leur retraite située au coeur de la forêt de l'Oregon.

Jusqu'à la veille de son ultime départ, il avait participé avec sa nouvelle épouse

Ellen aux grandes réunions de la FIB. Tous ceux qui l'ont connu garderont en mémoire la vivacité de son regard et la chaleur de son sourire.

Roger Lacroix  
FIP Honorary President

*Ben Gerwick, Jr., was born in 1919 in Berkeley, California. He received his degree in Civil Engineering at the University of California, and in 1940 joined the US Navy, where he complete six years of exemplary service, particularly during the war in the Pacific. Upon completion of his service, he joined his father's company Ben C. Gerwick, Inc., a marine and construction firm.*

*Early on he became interested in the potential of prestressed concrete, implementing pretensioning technology for the development of prestressed concrete piles, pretensioned bridge girders and pretensioned railroad ties.*

*In 1971, he joined the faculty of the University of California at Berkeley as a Professor of Civil Engineering, then, after merging his company with J.H. Pomeroy, set up a specialized consulting engineering practice, continuing the former company's name of Ben C. Gerwick, Inc., today affiliated with COWI A/S. He participated in construction of major works around the world, in particular for off-shore platforms in the North Sea.*

*It would be too lengthy to list all of the awards and nominations from numerous*

*countries that gave him his international reputation; I would like simply to recall that Ben's talents naturally led him to be actively involved many technical associations: he was the President of the Prestressed Concrete Institute since 1957, then president of FIP (Fédération Internationale de la Précontrainte from 1974-1978. In this role he was confronted with the consequences of the first oil crisis: the end of the "glorious thirty" meant that members of the association had to reduce their financial contributions, while the UK, who had until then taken care of the expenses of the secretariat, announced the end of its support. Ben took to heart the task of re-establishing the financial balance of FIP, leaving me with a much improved situation when I succeeded him in 1978. At the same time, he handled the delicate problem of the rivalry between the two American associations, PCI and PTI, and initiated a solution to the conflict between the Chinese associations who both wished to have exclusive participation in FIP.*

*On a personal level, Ben was a loyal, considerate friend, concerned with everyone's well-being, while at the same time maintaining the rigour necessary to run the association of which he was president. My wife, a good friend of his wife Martelle, and I have wonderful memories of a visit to their vacation home in the Oregon forest.*

*Up until the eve of his final departure, he participated, with his second wife Ellen, in major fib meetings. All who knew him will remember the liveliness of his regard and the warmth of his smile.*

## Congresses and symposia

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.

Date and location	Event	Main organiser	Contact
20-23 May 2007 Dubrovnik, Croatia	<b><i>fib</i> Symposium: Concrete Structures: Stimulators of Development</b>	<b><i>fib</i> group Croatia</b>	<b><a href="http://www.igh.hr/fib-dubrovnik-2007">www.igh.hr/fib-dubrovnik-2007</a> <a href="mailto:fib-dubrovnik-2007@igh.hr">fib-dubrovnik-2007@igh.hr</a></b>
17-22 June 2007 Catania, Italy	FraMCoS-6: Int. Symposium on Fracture Mechanics of concrete and concrete structures	IA-FraMCoS	<a href="http://www.framcos6.eu.org">www.framcos6.eu.org</a>
16-18 July 2007 Patras, Greece	8th International Symposium on Fiber Reinforced Polymer Reinforcement for Concrete Structures	University of Patras	Prof. Thanasis Triantafyllou Dept. of Civil Engineering, University of Patras <a href="mailto:frprcs8@upatras.gr">frprcs8@upatras.gr</a> <a href="http://www.frprcs8.upatras.gr">www.frprcs8.upatras.gr</a>
4-7 September 2007 Stuttgart, Germany	Second Symposium on Connections between Steel and Concrete	University of Stuttgart	Symposium secretariat c/o IWB University of Stuttgart <a href="mailto:symposium@iwb.uni-stuttgart.de">symposium@iwb.uni-stuttgart.de</a> <a href="http://www.iwb.uni-stuttgart.de/symposium/">www.iwb.uni-stuttgart.de/symposium/</a>
18-21 May 2008 Amsterdam, The Netherlands	<b><i>fib</i> Symposium: Tailor Made Concrete Structures: New Solutions for Our Society</b>	<b><i>fib</i> group Netherlands</b>	<b><a href="http://www.fib2008amsterdam.nl">www.fib2008amsterdam.nl</a> <a href="mailto:dick@betonvereniging.nl">dick@betonvereniging.nl</a></b>
27-29 October 2008 Tokyo, Japan	8th International Symposium on Utilization of High-Strength and High-Performance Concrete	Japan Concrete Institute, Japan Prestressed Concrete Engineering Association	<a href="http://www.jci-web.jp/8HSC-HPC">www.jci-web.jp/8HSC-HPC</a> <a href="mailto:8hsc-hpc@jci-web.jp">8hsc-hpc@jci-web.jp</a>
8-9 June 2009 (tentative) London, UK	<b><i>fib</i> Symposium: Concrete: 21st Century Superhero</b>	<b><i>fib</i> group UK</b>	<b>The Concrete Society <a href="http://www.concrete.org.uk">www.concrete.org.uk</a></b>
29 May - 1 June 2010 Washington D.C., USA	<b><i>fib</i> Congress</b>	<b><i>fib</i> group USA PCI</b>	<b>Precast/Prestressed Concrete Institute (PCI) <a href="mailto:info@pci.org">info@pci.org</a> <a href="http://www.pci.org">www.pci.org</a></b>

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