



# INTERNATIONAL JOINTS AND BEARING RESEARCH COUNCIL NEWSLETTER

NEWSLETTER #47

NOVEMBER 2012

## Chairman's Notes- 11-6-12

At the ACI Spring Convention held in Dallas last March, IJBRC held a meeting to discuss the future of the International Joints and Bearings Research Council. Some of the Executive Staff of ACI attended the meeting and informed IJBRC that their auditors were concerned that there was an ACI Committee operating on its own accord with no ACI controls. Basically there are 3 options the IJBRC has for continued operation.

- 1) Incorporate as a separate organization with ties to ACI
- 2) Stay on as an ACI Committee
- 3) Formally cut ties with ACI and operate as an independent organization

During the IJBRC Executive meeting held on May 31, 2012 these 3 options were discussed and it was agreed that option 3 was not desirable and that the first two options would be evaluated further. Option 1 would involve working with Creative Association Management which is a group under the auspices of ACI that helps organizations incorporate. Examples of organizations that chose this route for incorporation are the International Concrete Repair Institute and the American Shotcrete Association.

Option 2 would mean that the IJBRC would continue to function as it does now but have to conform more strictly to ACI regulations especially with regards to its finances. IJBRC had an executive meeting in September to go over the options once more and decided to go with option 2. This was presented to the International Committee at the October 23 meeting in Toronto. More details of this meeting will follow.

The other thing on the IJBRC agenda is to reinstate the Stewart C. Watson Scholarship which has been idle for the past few years. This is a scholarship intended for graduate students that are focusing their work in the field of expansion joints or bearings for concrete structures. Stay tuned for more details.

Ronald J. Watson

Chairman, IJBRC



**Working Group 5 – bearing and joints**  
**Minutes of the 4th meeting**  
**Seoul 18<sup>th</sup> September 2012**  
36 IABSE Symposium

**Agenda**

1. Opening of the meeting and roll call of delegates
2. Adoption of the draft minutes of 3rd meeting (London, 2011-09-19)
3. Adoption of the draft agenda
4. Report of the Workshop held in March 2012 in Weimar
5. Report of the TC meeting in Zurich, May 2012
6. BAZAR
7. Preparation of realization of the decisions of Weimar and further actions
8. Discussion
9. Next dates and venues of the next meetings
10. Closure of meeting

**List of participants**

1. Leigh Appleyard, Australia (LAP)
2. Ulrike Kuhlmann, Germany (UKU)
3. Guido Morgenthal, Germany (GMO)
4. Antti Rytönen, Finland (ARY)
5. H. Subbarao (IN) India (HSU)
6. Thomas Spuler, Switzerland (TSP, Vice-Chair)

**Report**

**1. Opening of the meeting and roll call of delegates**

TSP opens the meeting at 12:00 and welcomes the delegates.

Following members did apologize for not being able to attend the meeting of WG5 in Seoul:

Ursula Freundt, Germany (Chair WG5, UFR)

Han Leendertz, The Netherlands

Virginio Quaglino, Italy

Mark Kaczinski, USA

Ronald J. Watson, USA

Christian Braun, Germany

Braun Joachim, Germany

Georg Wolff, Austria

Rules for membership were quickly reflected again and it was stated that members not attending WG5 meetings 3 times in a row shall be informed that their status will change to corresponding members.



### **1. Adoption of the draft minutes of the 3<sup>rd</sup> meeting (London 2011-09-19)**

The draft minutes of the 3<sup>rd</sup> meeting (London 2011-09-19) were reviewed and accepted by all without changes.

### **2. Adoption of the draft agenda**

The draft agenda sent to all members by UFR was accepted by all without changes.

### **3. Report of the workshop held in March 2012 in Weimar**

LAP presented a summary of the workshop in Weimar and handed it out to all the members present (see attachment 1)

### **4. Report on TC meeting in Zürich, May 2012**

TSP reported on the TC meeting held in Zürich on May 12<sup>th</sup>, which he attended. He summarised the IABSE Vision and Strategy 2015, which was presented in Zürich by Klaus Ostenfeld.

Main goals of IABSE till 2015 are to strengthen the association by getting more members (5 to 10 times more!), make the structure of the association generally more attractive and flexible e.g. by giving more autonomy to National Groups, make headquarters more to an enabling and supporting service centre rather than a “central management”, improve the website, increase the return on investment of time and money for all members.

### **5. Bazar**

A Bazar by WG5 was first discussed at the TC meeting in Zürich, later by UFR, Han Leendertz and TSP. The latter prepared some introducing slides about Life Cycle Costs (LCC) of bridge expansion joints (BEJ) and presented them to the WG5 members. (see attachment 2)

The Bazar was hold in Seoul on Wednesday 19<sup>th</sup>. Based on the above slides and some hypothesis introduced by TSP and Pascal Savioz, approx. 20 congress members had a lively discussion about LCC of bridge expansion joints. (Bazar announcement see attachment 3)

#### **Conclusion:**

> People agreed that the initial investment for BEJ is relatively small compared with LCC (approx. 0.5 to 2% of the construction cost of a bridge). Hence, care should be taken to select BEJ of high quality and endurance.

> To enable the change towards the installation of better quality BEJ right from the beginning, more education of students, clients and authorities is needed. Models how to encourage the selection of BEJ with optimal LCC have to be developed. This could be one of the future tasks of WG5.



✓ A certain tendency towards higher quality BEJ is already going on worldwide, especially with BOT (Build / Operate / Transfer) or PPP (Private Public Partnership) projects, where LCC are usually sharply analyzed and considered.

### **1. Preparation of realization of the decisions of Weimar and further actions**

Following 2 decisions taken in Weimar regarding “homework” for all members were highlighted and discussed again and all members kindly reminded to send the required data to Ursula Freundt.

#### **Decision 1:**

**All members of WG 5 are asked to collect monitored data about relevant forces and movements of bridges and send it to: [Ursula.freundt@uni-weimar.de](mailto:Ursula.freundt@uni-weimar.de)**

#### **Decision 2:**

**Temperature actions are of special relevance for bearings and joints. This relevance is not yet sufficiently covered by adequate rules in standards. All members are asked to send the national rules or guidelines about this issue to: [Ursula.freundt@uni-weimar.de](mailto:Ursula.freundt@uni-weimar.de)**

### **2. Discussion**

UKU presented slides of her paper about “Steel composite bridges – holistic approach applied to European Case Studies” with a focus on “Lifecycle design of bridges”(see attachment 4).

### **3. Next dates and venues of the next meetings**

Next WG5 meeting is scheduled on Wednesday May 8, 2013, which is the final day of the IABSE Spring Conference in Rotterdam.

WG5 is planning a one (1) day workshop. LAP has offered to take care for organizing a suitable meeting room.

### **10. Closure of the meeting**

The meeting was closed at 14:45 with best thanks to all delegates for their contribution.

2012-9-30, Thomas Spuler

# ANNOUNCEMENT



It is with great sadness that Watson Bowman Acme shares with you the sudden passing of our friend and colleague, Joseph C. Perreault. Joe has been part of our organization for over 35 years as a nationally known and recognized contributor to the bridge construction industry. An active member of The New York Chapter of the Associated General Contractors, participant in the Associated General Contractors of America, and numerous trade organizations and technical committees. Joe has contributed greatly to our industry and the success and growth of Watson Bowman Acme.

A veteran of the United States Navy, Joe served aboard the USS Hammerberg during the Vietnam War. He was a proud graduate of Mount Saint Mary's University in Maryland and a member of the American Legion of Ludlow, Vermont. An avid golfer and skier, Joe was a ski ambassador at Okemo Mountain for 17 years. Joe also competed annually in the National Veterans Golden Age Games in Shot Put and Discus competition.

Mr. Perreault is survived by his devoted wife of 43 years, Mary V. "Van" (Scott) Perreault, his daughter, Marne Perreault and son, Chad Perreault.

Joe leaves behind many friends and colleagues. He will be missed by business associates and customers alike.

## **ANNOUNCEMENT:**

**ASTM Subcommittee D04.32 - Bridges and Structures Meeting – Thursday, December 6, 2012 – Hyatt Regency, Atlanta, GA**

**ASTM Subcommittee D04.34 – Preformed Joint Seals Meeting – Thursday, December 6, 2012 – Hyatt Regency, Atlanta, GA**

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### **ASSHTO Appoints Jugesh Kapur as Chairman of Technical Committee T-2 On Expansion Joints and Bearings**

Jugesh Kapur is the State Bridge and Structures Engineer for Washington State where he provides direction, guidance, and management to the structural engineering program with the assistance of 120 individuals in the WSDOT's Bridge and Structures Office. Prior to this position he was the State Bridge Design Engineer, Design Unit Manager and also worked in the private sector for 8 years. He is the Chair of AASHTO's Technical Committee (T-2) on Bridge Bearings and Expansion Devices and Vice- Chair of AASHTO's Technical Committee (T-3) on Seismic Design. He is a University of Washington graduate and a registered professional engineer in civil and structural engineering in Washington and Oregon

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## **FOR SALE**

**The 7<sup>th</sup> World Congress on Joints, Bearings and Seismic Devices for Concrete Structures Proceedings**  
CD – ROM      Cost - \$75.00 U.S.

Available through the IJBRC Secretary  
([lfbraun@golden.net](mailto:lfbraun@golden.net))

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### **STEWART C. WATSON SCHOLARSHIP**

Sponsored by IJBRC/American Concrete Institute

#### Award Information

Amount of Scholarship: Maximum \$3,000 US

Application Deadline: January 15th annually

Requirements: Applicant must have a bachelor's degree by the summer of the application year, have a special interest in joints, bearings or seismic devices for concrete structures and be proficient in English. The applicant must be accepted full-time for the first or second year of graduate study at an accredited engineering school.

Eligibility: Master's level study.

To apply for this scholarship, log on to the American Concrete Institute website [www.concrete.org](http://www.concrete.org) under Honors and Awards.

# Upcoming ACI Conventions

The following is a list of scheduled ACI conventions:

**2013 - April 14-18**

**Hilton & Minneapolis Convention Center  
Minneapolis, MN**

**2013 - October 20-24**

**Hyatt Regency & Phoenix  
Convention Center  
Phoenix, AZ**

**2014 - March 23-27**

**Grand Sierra Resort  
Reno, NV**

**2014 - October 26-30**

**30 Hilton Washington,  
Washington, DC**

**For additional information, contact:**

Event Services, ACI 38800 Country Club Drive  
Farmington Hills, MI 48331

Telephone (248) 848-3795 \* Email: [conventions@concrete.org](mailto:conventions@concrete.org)

## Mailing Address

Please check your address label for accuracy. If changes are required, please notify the IJBRC Secretary by fax or email.

**Fax 1-519-894-9169**

Email [lfbraun@golden.net](mailto:lfbraun@golden.net)

### NEWSLETTER ARTICLES WANTED

Your IJBRC Executive continues to solicit articles of interest for inclusion in future editions of the IJBRC Newsletter. The semi-annual newsletter is our best way of keeping in contact with our membership. Submissions need to be on the topics of joints, bearings and seismic devices for concrete structures. They may include, but not be restricted to: book reviews, summaries of research in progress or completed, announcements of research grants received by individuals or groups, events or news items pertaining to joints, bearings and seismic devices, congratulations or bereavement notices.

Please forward such items of interest to the IJBRC Secretary by email; [lfbraun@golden.net](mailto:lfbraun@golden.net) or fax 1-519-894-9169  
Individual articles included in this newsletter are the opinions of said author(s)

### INTERNATIONAL JOINTS AND BEARINGS RESEARCH COUNCIL

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### EXECUTIVE COMMITTEE

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