

# Prosthodontics Research Group International Association for Dental Research Newsletter

## July 2008

### In This Issue

Preview for 2008 Toronto Meeting  
From the President  
Pros Group Executive Officers  
Minutes outline from the 2007  
New Orleans Business Meeting  
Detailed Reports from 2007  
New Orleans Business Meeting  
2007-08 Slate of Officers  
New Orleans reception



### Preview Highlights and Events for IADR – Toronto 2008 July 2-5, 2008

Metro Toronto Convention Centre, ON, Canada

- **Arthur R Frechette Award Competition**  
[http://iadr.confex.com/iadr/2008Toronto/techprogram/session\\_19287.htm](http://iadr.confex.com/iadr/2008Toronto/techprogram/session_19287.htm)  
Wednesday, July 2, 2008  
2:15 PM-3:45 PM Metro Convention Centre Rm 717B  
(Winners will be announced at the business meeting)
- **Pre-Prosthetic Regenerative Science Award**  
A Newly established, poster- and extended abstract-based competition (see the detail report at below for the selected finalists.) *The winners will be announced at the business meeting.* Check a website!!  
<http://dentalresearch.i4a.com/i4a/pages/index.cfm?pageid=3664>

### ● Group Sponsored Symposium

#### Biomechanical Response and Control at the Bone-Biomaterial Interface

Friday July 4, 9-10:30 AM, Metro Toronto Convention Centre - Room 718B

Organizer: Kei Sasaki (University of Tohoku, Sendai, Japan)

Sponsors: Prosthodontics Research, Implantology Research and Oral Surgery Groups and Japan Prosthodontic Society  
[http://iadr.confex.com/iadr/2008Toronto/techprogram/session\\_18615.htm](http://iadr.confex.com/iadr/2008Toronto/techprogram/session_18615.htm)

### ● Keynote presentation of our group

“Dynamic Prosthodontics: the Translation of the Basic Sciences into Clinical Realities”

C. STANFORD

Friday July 4 10:45AM, Convention Center – 701B

### ● Prosthodontics Group Business Meeting

Thursday July 3 5.00 pm – 6 pm

Convention Center – 717B

### ● Prosthodontics and Implantology Group Joint Reception

Thursday July 3 – 6pm to 7.30pm

Convention Center - 810

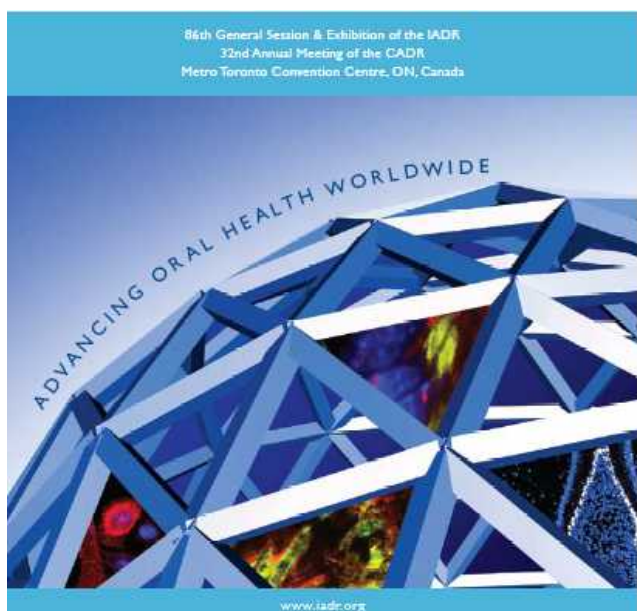
### ● Prosthodontics Executive Officers Meeting

Thursday July 3

7:00-8:00 AM

Convention Center – 802A





On Friday I would encourage you to take part in the groups sponsored symposium “Biomechanical Response and Control at the Bone-Biomaterial Interface” between 9:00 and 10:30am in room 718B of the convention center. This is followed at 10.45 by the group’s keynote address, that will be delivered by Clark Stanford, University of Iowa on Dynamic Prosthodontics: the Translation of the Basic Sciences into Clinical Realities in room 701B. As those of you who have heard Clark speak before this will be a stimulating and thought provoking presentation

The whole prosthodontic scientific program is available at:

[http://iadr.confex.com/iadr/2008Toronto/techprogram/program\\_607.htm](http://iadr.confex.com/iadr/2008Toronto/techprogram/program_607.htm)

AT the business meeting we will be updated about progress that has been made by the IADR over the past 12 months. One of these will be the ongoing discussions regarding the Journal of Dental Research. Since January 2006, all IADR members have enjoyed online access to the content of the Journal of Dental Research (JDR), including the featured Critical Reviews section as a benefit. Despite this the current income from the sale of paper versions of the Journal remain high. There is ongoing discussion on how the future publishing of the Journal will be managed and particularly if publication should be managed “in house” or by an external publisher.

I would like to offer my special thanks to Takahiro Ogawa for his sterling work as our current Secretary-Treasurer – a post which really does “keep the show on the road” and a particular personal thank you to Steve Rosenstiel for continuing to organize the groups award program so enormously successfully.

As my year as President of your group comes to an end I wish to thank you for the honor you have given me. I look forward to meeting up with you in Toronto and offer you my best wishes for a great meeting and safe travel.

Best wishes

Mark

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## From the President

### J. Mark Thomason



This has been a very busy year for our group, and the first thing I would like to do is thank the officers of the group for the enormous amount of work they have done on our behalf this year. It is a great honor being elected President of a group like ours – but it should never be forgotten that the success of the group is dependent on it’s “team members” and I think we have a great team so “thanks guys” !!

I look forward to meeting up with many members at our meeting in Toronto and would like to highlight some of the areas that the group is involved with. Please take some time to put these in your itinerary for Toronto.

On Wednesday from 2:15 to 3:45pm we have the opportunity to share the presentations made by the Arthur R. Frechette Research Awards Finalists in room 717B of the convention center. Having had the privilege to read these submissions at an early stage I am sure that it will be a great session. The Award Presentations will be made at the Group Business Meeting in the same room, 717B between 5-6pm on Thursday. This will then be followed by our group reception, which we will again share with the Implantology Research group in Room 810 of the convention center.

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● **Prosthodontic Executive Officers 07-08**

**President Mark Thomason**  
University of Newcastle upon Tyne School of Dental Sciences  
[j.m.thomason@ncl.ac.uk](mailto:j.m.thomason@ncl.ac.uk)

**President-Elect Neal Garrett**  
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**Immediate Past President Hugh Devlin**  
School of Dentistry, University of Manchester, UK.  
[hugh.devlin@manchester.ac.uk](mailto:hugh.devlin@manchester.ac.uk)

**Sec/Treasurer Takahiro Ogawa**  
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**Frechett Award Coordinator Stephen Rosenstiel**  
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**Pre-Prosthetic Regenerative Science Award Coordinator Takahiro Ogawa**  
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**Director Ziad Al-Ani**  
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● **A Report from 2007 IADR – New Orleans Prosthodontics Group Business Meeting and Reception**  
Thursday March 22, 2007, Ernest N. Memorial Convention Center, New Orleans, Louisiana, USA

**BUSINESS MEETING MINUTES**

**Call to Order** - Dr Hugh Devlin

**Approval of 2006 Minutes** - Accepted

**Present** –Neal Garrett, Takahiro Ogawa, Hugh Devlin, Mark Thomason, Stephen Rosenstiel, Keiichi Sasaki, active members of the IADR Prosthodontics Group, student members and guests.

1. **Opening remarks** by Immediate Past President Hugh Devlin
  2. **Councillor's Report** - Neal Garrett (see "Detailed Reports")
  3. **Secretary/treasurer's Report** – Takahiro Ogawa Financial Report for 2006 (see "Detailed Reports")
  5. **Frechette Competition** - Steve Rosenstiel (see report)
  5. **Pre-prosthetic Regenerative Science Award Competition** – Takahiro Ogawa (see the report)
  6. **Nominations Committee Report**– Hugh Devlin, Chair
  7. **Elections** – Hugh Devlin made a motion to vote for the slate of 2007-08 officers by acclamation. The motion carried by unanimous vote.
  8. **Installation of Officers** - Dr Hugh Devlin installed Dr Mark Thomason as new President of the Prosthodontics Research group for 2007/08.
  9. **Adjournment** - The meeting was adjourned by Dr Devlin.
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**Annual Financial Report (2006)  
Secretary-Treasurer Report**

Takahiro Ogawa

The Group remains in a strong financial position with a current balance of approximately \$40,000 at the end of the 2006 calendar year.

This was the fourth year for a joint reception with the Implantology Group which have proved to be great and we are sure we would wish to continue. I would like particularly to thank Dr. Clark Stanford, Secretary from the Implantology Group for his work in putting this together and securing the funding continuously.

I would also like to recognize the role of the Whip Mix Corporation who has continued as very loyal supporter of the Frechette Award Competition with its \$1000 grant.

As of December 2006, Central Office indicates 445 members (IADR Members-162, AADR Members-107, IADR Students – 116, AADR Students – 60). Members who have not received the newsletter (emailed two weeks before Toronto meeting) have either not paid their dues to Central Office or have left incorrect email address with Central Office. The record indicates that approximately 20% of the members do not post their email address in the Central Office database. Please check this with Central Office if you have not received any communication.



**Financial Report 2006**

Amount of annual dues per member	\$18.00
Fund balance as of 12/31/05	\$38,713.26
Income \$	
Dues	1,832.50
Interest	0.00
Other	1,000.00
Total Income	\$2,832.00
Expenditure \$	
Frechette Award	2,000.00
Other	100.00
Total Expenditure	\$2,100.00
Balance as of 12/31/06	\$39,445.26

**Councillor Report**

Neal Garrett

The IADR Council meeting was held on Tuesday, March 20, 2007 and the AADR Council meeting was held Wednesday, March 21, 2007 New Orleans, LA. Your Councillor attended both meetings.



**Announcements**

The New Orleans meeting had 4,632 people registered from 61 countries. They were presented with 592 oral and 2406 poster presentations. Both the IADR meeting in Brisbane and the AADR meeting in Orlando in 2006 were successful.

The contract for Executive Director Chris Fox has been extended for another 5 years.

A new member benefit was implemented this year allowing a PDF of a complete poster to be uploaded and linked to the abstract.

A discussion of whether to consider integration of future meetings of the AADR and ADEA resulted in the Board agreeing to discuss at their May meeting if they should try and do this for the 2010 meeting.

IADR has reinstated the Isaac Schour Memorial Award through a generous endowment from Dr. Bernard Samat.

**Elections**

The following election results were announced. Online voting continues to be a high percentage of the total votes received. An error in the voting process for the electronic vote was detected early and corrected. It did not affect the outcome of the vote, however, a new vendor will be sought for future elections.

IADR Vice-President	David M. Williams
AADR Vice-President	Grayson Marchall
AADR Treasurer	Paul Krebsbach
AADR Rep to the IA/AA Publication Committee	Scott Tomar

In addition, candidates for the IADR Vice-President were announced as P. Mark Bartold (Australia), Maria Fidela de Lima Navarro (Brazil), and Katsuji Okuda (Japan).

AADR nominations for VP : Pamela denBesten  
Timothy DeRouen

David Wong

AA Publications committee: Carolyn Gibson  
Douglass Jackson, Jr.  
Mina Mina

Board Member at Large: Donald White

The winners for the 2007 IADR Distinguished Scientist Awards were announced, and Clark Stanford received the Distinguished Scientist Award for Research in Prosthodontics and Implants. We all extend him hearty congratulations on this recognition of his significant contributions.

The AADR Constitutional Amendment was approved and the NSRG student representative will now have a vote on the Board of Directors.

#### Meetings

The IADR General Session rotation cycle calls for the meeting to be held in South America in 2012. Several sites in Brazil were considered, but Rio de Janeiro seemed to have the best facilities to accommodate the group. The meeting will be combined with the Brazil Division meeting and could be one of the Associations largest meetings. The motion to select Rio de Janeiro was passed unanimously.

For the 2013 IADR meeting, both Honolulu and Seattle were considered. Due to travel issues and attendance estimates, Seattle was unanimously approved as the site for the 2013 IADR meeting.

#### Finances

It is clear that the operation of both the IA and AADR are highly dependent on income from the annual session. In general, only 15% of the associations' costs are supported by dues, with over 50% supported by meeting registrations. This is a very fragile model and restricts severely where meetings can be held. Angus Walls suggested that there be a dues increase in the higher income countries over the next 5-8 years, to bolster the financial security of the organizations. The highest IA dues would move up to \$130 by 2012. Tiered dues subsidy for lower income nations would still continue. Student members dues will be increased in the high-income countries. No increases in AADR dues are anticipated before 2009

Overall, the financial outlook is relatively good for both IADR and AADR organizations, due to the extensive portfolio and the profit made by the Journal of Dental Research. However, AADR is having some difficulty covering annual operating costs, and it was expected that an allocation from the portfolio of \$61,000 will be needed to balance the 2007 budget. The audit of 2005 was approved and it reflected a very positive review.

The diversification of the investment portfolio has led to gains of 6.4% in 2005 and at the end of August, 2006, and additional gain of 5.6% was seen.

#### Journals

Journal Editor, Tony Smith, reported that the Journal is healthy, but the changing publishing environment is making it difficult to remain status quo. Issues of open access and funding agency requirements for depositing copies of papers in electronic repositories are key issues. The 489 submission for the past year represent a slight increase over the prior year. Acceptance rate has remained constant at 31%. There is an increase in the global nature of the authors, with 65% being from outside the US. There scientific impact factor (SIF) was up slightly at 3.19. The SIF for JDR remains the highest of the dental journals.

#### Strategic Plan Committee

Stephen Bayne provided an overview of the strategic planning process and structure. Many of the small divisions have grouped into federations, but the federations don't have a direct link to the IADR central office. There is a proposal to have regional boards, and the IADR Board would work directly with them. Thus the Federations would become regions: Asian/Pacific; African/Middle East; European; Latin America; North America. The Federations were mostly formed to handle regional meetings, but the Regional Boards would be involved in a broader range of activities.

In the discussion of "regionalization", Stephen Bayne indicated that the Scientific Groups role has not been thought out. There was additional comment that there may be questions whether the Scientific Groups that now exist are the ones we need for the future.

A constitutional change to organize the Divisions into Regions was approved.

#### Other Action Items

The applications for a Uruguayan Section and a Mongolian Section were approved unanimously.

AAADR approved a Policy Statement on the Use of Stem Cells in Dental Research.

**Nominations Committee Report**

*Hugh Devlin*



**Posted slate:**

Slate for 2007 -2008

President	Mark Thomason
President-Elect	Neal Garrett
Sec/Treasurer	Takahiro Ogawa
Program Chair	Stephen Rosenstiel
Councilor (IADR, AADR)	Neal Garrett
Directors	Keiichi Sasaki (2009) Ziad Al-Ani

Slate was accepted by unanimous vote



Frechette Award Winner, Ms. Lori Gottschlich, Whip Mix Corporation; Dr. Yohei Sato, Tsurumi University, Yokohama, Japan, Frechette Award Finalist; Mr. James Robinson, Whip Mix Corporation; Dr. Masahiro Yamada, University of California Los Angeles, USA, Frechette Award Finalist; Dr. Stephen F. Rosenstiel, Frechette Coordinator IADR Prosthodontics Group and Dr. Robert Berg, Montefiore Medical Center, Bronx, NY, USA, Frechette Award Finalist. In addition to the plaques Drs. Aita and Zhang each received a check for \$1000 thanks to the generous support of the Whip Mix Corporation.

Twenty-two new investigators in Prosthodontics applied for one of the two 2008 Arthur R. Frechette Research Awards in Prosthodontics. Eleven submitted for Prosthodontic research undertaken with a Materials Science or Bioengineering oriented protocol and eleven for Prosthodontic research undertaken with a Biological Sciences and Tissue Engineering oriented protocol. Each award carries a cash prize of \$1,000.

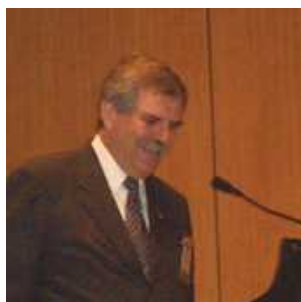
The abstracts were be judged for (1) originality and scientific design of the investigation, (2) suitability of the methods of analysis, and (3) scientific value of the work and six finalists will be judged at the 2008 IADR meeting in Toronto, Ontario, Canada (July 2, 2008) and the winner will be announced at the Prosthodontics Group Business Meeting.



**Frechette Award Presentation 2007 and 2008 Preview**

*Stephen Rosenstiel*

The winners of the 2007 Frechette Awards were presented at the International Association for Dental Research annual meeting in New Orleans, Louisiana.



The Frechette is the annual research competition for new investigators sponsored by the Prosthodontics Research Group of the International Association for Dental Research and honoring the memory of Arthur R. Frechette who served as Secretary-Treasurer of the IADR from 1968 until 1977. The winners were Dr. Hideki AITA, University of Hokkaido, Sapporo, Japan, for his study entitled "Accelerated osseointegration around light-induced super-amphiphilic titanium surface" and Dr. Yu ZHANG, New York University, USA for his study entitled "Gliding Contact Fatigue Damage Maps of Veneered Zirconia Structures" The individuals pictured are (left-to-right) Dr. Weng-Kong Tam, Tzu Chi University, Hualien City, Taiwan, Frechette Award Finalist; Dr. Yu Zhang, Frechette Award Winner; Dr. Hugh Devlin, President IADR Prosthodontics Group, Dr. Hideki Aita,

**Pre-Prosthetic Regenerative Science Award Presentation 2007 and 2008 Preview**

*Takahiro Ogawa*

IADR (International Association for Dental Research) Prosthodontics Research Group has established a new award called Pre-Prosthetic Regenerative Science Award for Young Investigators. The award recognizes original research by new investigators in the multidisciplinary field of pre-prosthetic or prosthodontics-related regenerative science, including tissue engineering, bone, tooth and soft-tissue regenerative sciences, graft materials research, maxillofacial reconstructive biology and physiology and implant biological research. The awards are co-sponsored by the IADR

Prosthodontics Research Group and Japan Prosthodontic Society. The abstracts must be submitted to the Prosthodontics Research Group Poster Session, and the selected finalists will be asked to submit a 5-page extended abstract to complete. Awards will be presented during the annual business meeting of the group during the IADR General Session. See the detail at <http://www.dentalresearch.org/awards/preprost.html>.

First-time memorable First Place Winner awarded at the 2007 New Orleans IADR was Dr. Naoki Tsukimura for his study entitled "Co-Culture Effect of Peripheral Blood Mononuclear Cells on Osteoblasts". The Second Place Winners were Drs. Tatsuhide Hayashi and Kensuke Sekiya for their works on "Possibility of Bone Regeneration by induced bone-like tissue in vitro" and "Novel Transcription Factors for Mesenchymal Stem Cells Osteogenesis", respectively.



The individuals pictured are (left-to-right) Dr. Keiichi Sasaki, President-Elect Japan Prosthodontic Society, Dr. Kensuke Sekiya, Second Place Winner, Dr. Naoki Tsukimura, First Place Winner, Dr. Tatsuhide Hayashi, Second Place Winner, Dr. Hugh Devlin, President IADR Prosthodontics Research Group, and Dr. Takahiro Ogawa, Pre-Prosthetic Regenerative Science Award Chair and Secretary/Treasurer IADR Prosthodontics Research Group.

For 2008 Toronto Meeting, 4 finalists have been selected and submitted the extended abstract for competition. The finalists are Dr. Yamada for "A newly-found osteogenic enhancing molecule for bone regeneration", Dr. Kobayashi for "Cyclic Strain Promotes Myogenesis of Bone Marrow Stromal Stem Cells", Dr. Moriyama for "The Enhancement of Peri-implant Osteogenesis by Local Application of Statin" and Dr. Ueno for "N-acetyl cysteine protects osteoblastic function from oxidative stress". The first and second place winners will be announced in the Prosthodontic Group Business Meeting on Thursday 5 PM July 3.

## ● Group Program Chair's Preview for 2008 Toronto

*Stephen Rosenstiel*

The 2008 Dallas AADR meeting was exceptionally small. Prosthodontics researchers presented 10 oral and 20 poster presentations and our keynote speaker (Dr. Takahiro Ogawa presenting "Technological Breakthroughs for More Biocompatible and Bioactive Pre-prosthetic and Prosthetic Devices and Materials") were scheduled for Prosthodontic Research out of a total of about 1250 papers.



The 30 papers were scheduled for 2 oral (Clinical Prosthodontics and Advances in Dental Ceramics and Keynote Address and Advances in Prosthodontics.) and 4 poster sessions (Prosthodontic Research: Student Abstracts, Biomechanics and Materials Considerations in Prosthodontics, Ceramics, Color Science, and Esthetics and Removable Prosthodontics and Endodontic Restorations).

The Toronto meeting will be much larger. There were 189 submitted (5.2% of the 3632 total abstracts submitted), 2 transferred in, 2 transferred out and 6 of the accepted papers benefited from the English Language Assistance Program. There will be six oral sessions (Arthur R. Frechette Research Awards Finalists, Properties of Fixed Protheses, Properties of Zirconia and Clinical Evaluations of Ceramic Restorations, Clinical Investigations of Fixed Prosthodontics, Keynote Address and Biological Investigations, Esthetic and Functional Considerations in Prosthodontics and Outcomes of Prosthodontic Treatment. The keynote address will be presented by the 2007 Research in Prosthodontics and Implants award winner Dr. Clark M. Stanford. Dr. Stanford's research areas deal with osteoblastic gene expression as a function of cell shape and the role of substratum topography on gene expression. Additionally, Prosthodontics has co-sponsored symposia on "Knowledge Translation: How to Get Your Research to the People to Whom it Matters Most" and "Biomechanical Response and Control at the Bone-Biomaterial Interface"

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## **New Orleans Reception**

*Takahiro Ogawa,  
Inventor of  
Photofunctionalization of  
TiO<sub>2</sub>*



The Prosthodontics and Implantology Group Reception was held on Thursday March 22 in the New Orleans Convention Centre. Guests enjoyed a buffet and drinks at this popular opportunity to meet and socialize with others attending the Annual meeting from all over the world.

Now I am looking forward to seeing you at the Reception in Toronto soon. It will be held on Thursday, July 3 evening 6:00 to 7:30PM, immediately after the Business Meeting. Come and Join us!!

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### **IADR/AADR Prosthodontics Group**

Takahiro Ogawa, DDS, PhD

Secretary/Treasurer

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