



ADM Newsletter

A Publication of the Academy of Dental Materials

2020, Issue 1

Message from the President

By Jeffrey W. Stansbury

Dear ADM Members,

It is my pleasure to send this greeting and update to our ADM membership. We recently held a memorable meeting in Jackson Hole, Wyoming. I heard from many who attended that there were some wonderful adventures that took full advantage of the beautiful natural location of this venue. With regard to the scientific program there, I first want to personally thank Dianne Rekow for agreeing to do a split presentation where she first provided an excellent overview of the current state of digital dentistry to start our meeting and then she offered us a thought-provoking glimpse into where this broad technological wave may take us going forward as a cap off to the conference. Along the way, we heard about advanced dental imaging, materials-based prosthodontic strategies, polymers with an adaptable network structure, how natural

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tooth structure can inform material design, a fascinating look behind the curtain of high-tech, high-volume dental laboratory production work, and the rapidly progressing world of 3D printing of ceramic and polymeric materials. I also have to highlight the fact that we had Sally and Grayson Marshall teaming up to give a valuable lesson on quality mentorship and a moving review of the history of the ADM. We were thrilled to have the Marshalls there in Jackson Hole to personally present their namesake postdoctoral researcher award and another special moment was our heartfelt appreciation of Dea Dea Hilton as our long-serving ADM executive manager upon her

retirement. I invited the entire Board and all Past-Presidents in attendance to help give Dea Dea an enthusiastic sendoff. Providing even more drama to that emotional goodbye was the equally deserved award of our prestigious Founder's Award to Tom Hilton to celebrate his dedicated service to the ADM and to the dental materials community.

Whether you were in attendance in Jackson Hole or particularly for those not able to join us, I encourage you to seek out the presentation-related manuscripts in Dental Materials. I also want to thank our generous returning corporate sponsors as well as several new sponsors who all supported and contributed their expertise to this meeting.



As I said at the outset, this will be a memorable meeting not only for all the positive aspects recounted here, but also unfortunately, it will also be remembered for the negative financial outcome that we experienced. The loss was

almost entirely due to the penalty we incurred due to the poor utilization of the hotel we blocked as a convenient and more affordable alternative to the Four Seasons conference hotel. As president of the organization and the meeting organizer, I rightly and entirely bear the responsibility for this deficit and I sincerely apologize for the unwise choice I made but I will also take this opportunity to encourage everyone attending our future meetings to use our designated hotel options whenever possible.

Returning to the positive, for our 2020 meeting, we will be back in Europe with a program on the theme of "Polymers and Ceramics on the Dental Materials Horizon" where the aim is to have experts capturing the current state-of-the-art in the materials science combined with a well-informed view of pending future developments. The meeting venue will be the vibrant city center of Dublin, Ireland and we are anticipating a strong attendee turnout to hear and discuss the following topics with our internationally recognized presenters: advanced work in glass ceramics, bio-inspired complex ceramic materials for biomedical applications, a comprehensive update on glass ionomers, use of photoinitiating systems to extend

polymerization processes, an overview of the broad reach of nanotechnology in dental materials, varied means to tailor the surface properties of materials, a novel approach to the design of polymer network structure and properties, the blending of biological and chemical interactions in dental adhesives, and a critical look at the intersection of industry-based materials product development with the standards and regulatory processes. I hope this program is one that will entertain, enlighten and inspire our audience and I hope you'll plan to be there in Dublin (Sept 30 – Oct 3) to take part.

We have another busy year planned for the ADM and please do not hesitate to contact me directly if there is any information I can provide you or if you have suggestions and ideas for anything you think the ADM should be addressing. I appreciate this opportunity to serve you as your ADM president and I wish you a very happy and healthy 2020!




ADM
2020

Academy of Dental Materials
Dublin, Ireland
September 30 – October 3, 2020

POLYMERS AND CERAMICS ON THE DENTAL MATERIALS HORIZON
Mark your calendars to join your colleagues in beautiful Dublin!

Save the Date!

ADM ADMINISTRATION
adm@res-inc.com
1.858.272.1018

WWW.ADMCONFERENCE.COM

MEET IN IRELAND Fáiite Ireland
National Tourism Development Authority

Call for Abstracts

The abstract submission site will open **March 30, 2020**. The Scientific Program Committee invites you to submit an abstract to be considered for Poster Presentation at the 2020 Conference Program.

IMPORTANT DEADLINES

Abstract submission deadline:

June 5, 2020

Preliminary abstract acceptance notifications: **June 26, 2020**

Pre-Registration Deadline for Presenters: **July 20, 2020**

Final Acceptance: **August 1, 2020**

Annual Meeting, 2019

By Milena Cadenaro



Academy of Dental Materials
October 2-5, 2019

ADM 2019 JACKSON HOLE, WY USA

The stunning landscape of Jackson Hole (Wyoming, USA) hosted the 2020 Annual Meeting between October 3 and 5. 171 participants from 19 different countries gathered together in the magnificent venue at Four Seasons.



The main theme of the conference was “Materials To Enable The Evolution - Revolution Of Digital Dentistry” with a first day dedicated to “Digital dentistry”, a second day focused on “Emerging developments in active materials” and the last one to “3D Printing, CAD/CAM machining”, with ten international experts invited to give their oral presentations and publish the related papers in Dental Materials.



The meeting was characterized by a novel split presentation format allotted to Dianne Rekow at the beginning and end of the program to both introduce the topic of digital dentistry and then forecast where it may lead us. Moreover, for the first time, the Marshall Award finalists gave a three-minute thesis-type oral presentation of their work, introduced by a team presentation by Sally and Grayson Marshall during the program.

We continued the tradition of Breakfast & Learning, followed by a successful “Meet Industry Session” at the beginning of the meeting day on Friday and Saturday.



94 abstracts were presented at the meeting and published in Dental Materials at <https://www.academydentalmaterials.org/wp-content/uploads/2019/11/2019-abstracts-as-published-in-the-journal-dental-materials.pdf>

During the meeting, a well-deserved tribute was paid to Deanna Hilton, our former Executive Manager retired from her position at the end of 2018. Past Presidents in attendance, invited on the stage by Jeff Stansbury along with the whole Board of Directors, honored her for her good temper, continue presence and the hard work she made for ADM. We are all thankful to Dea Dea for her commitment to the Academy and will miss her immensely!



Besides the scientific commitments, there was also time for fun: wildlife tours, hiking and a



typical country dinner as the main social event gave the opportunity to the meeting participants to discover the beauty and spirit of Wyoming!



Treasurer's Report

By Carmem Pfeifer

	2015	2016	2017	2018
Total members	315	374	317	386
Students	48	55	47	62
Total fellows	62	61	56C	65
Registered for meeting	224(total) 183(paid)	319 (total) 272 (paid)	268 (total) 216 (paid)	383 (total) 322 (paid)
Total assets	\$505,887	\$585,371	\$610,825	\$652,738
Total income	\$233,402	\$261,126	\$228,540	\$260,050
Royalties	\$86,059	\$84,795	\$81,989	\$69,306
Total expenses	\$422,880	\$287,433	\$312,264	\$302,126
Net income (loss)	(\$103,419)	\$58,488	(\$1735)	\$27,645
Annual meeting net income (loss)	\$6,046	\$49,904	\$19,342	\$112,055

Financially, the Academy is in good shape. The net assets have increased \$41,913 from 2017 to 2018.

The ADM financial advisory committee has been charged with setting up a means to fund relatively small project proposals among our membership. To accomplish this, we have received approval to move up to \$350K from our reserves into an interest-bearing money market or related account. The idea is that the interest income would defray some of the

expenses of funding these projects.

The current environment is not the most favorable it has been in recent years in terms of potential interest rates, but we have elected not to pursue the riskier and more labor intensive investment in the stock and bond market, but rather opted for low risk options. The committee is looking into splitting the single savings account into a liquid and a 1 year (maybe 2 year) money market account. It would most likely all be within a single banking/savings institution.

Dental Materials Editors' Report

By David Watts and Nick Silikas

Support from Elsevier continues to be excellent, both from our Senior Publisher: Jane Ryley and the Journal Manager: Matthieu Renaud. All print issues have been published on time.

All Speaker Manuscripts from the 2018 ADM meeting in Brazil have been published, apart from one that was not submitted.

In mid-July, Elsevier introduced a new Editorial Manager system (EM) for all its journals to replace EVISE.

Submission rates: The average of new submitted manuscripts is >20 per week.

Acceptance rate: 22-23% for full-length articles and 22-38% for reviews (2017-18).

Character of submissions: Our general impression is that the standard of submissions, especially at the "top end" of the distribution is rising, with some really outstanding manuscripts. However, there is still a "lower end" to the distribution where the quality of presentation is poor.

There has been an increase in the proportion of reviews offered on unsuitable topics. Such review offers have been declined and reasons given.

Many of the invited papers published from ADM meetings go on to be very well cited.

Citation Scores and IF: The Journal's 2018 CiteScore has increased from 4.74 in 2017 to 5.05 as of June 2019 reflecting a 12% increase year over year. This places the journal #1 out of 111 in 'General Dentistry' journals and slightly ahead of JDR (5.04). 91% of the articles have been cited (compared to 84% for JDR).

Dental Material's Impact Factor has increased to 4.440, placing the journal in the top three in the Dentistry, Oral Surgery and Medicine category.

Reproduction of Accepted Manuscripts:

For many PhD candidates, with publications in Dent Mater, it is common to receive requests to authorize reproduction of their paper in their thesis. We advise that – for legal and copyright reasons - they should not incorporate final versions of their MSS, as typeset and published by Elsevier.

Instead it is OK to incorporate the Word or PDF version of their MSS, as accepted by the Editor.

The Editorial Team expresses grateful thanks for their support to the ADM President, ADM Board members and the journal Editorial Board – David Watts & Nick Silikas. ■

Fellowships and Awards

Fellowship

In 2019, the Academy awarded Fellowships to Mary Anne Melo from the University of Maryland (Baltimore, MD, USA). The plaque was presented during the annual meeting in Jackson Hole. Congratulations to our new Fellow!



Emeritus Status

The Executive Board approved Emeritus status for Dr. James Dunn (2020). We wish you all the best for your future!



Founder's Award

This most important ADM Award was initiated to honor Dr. Evan Greener in recognition of his contribution to the Academy. The tribute to Deanna was also the perfect time to present this honorary Award to Tom Hilton for his outstanding commitment to the Academy and to the dental materials community.



Tom joined the Board of Directors in 2002 and became treasurer in 2004. He served the Academy for twelve years as treasurer, helping the ADM to grow and become a society financially in good shape. We will always be grateful to Tom for his dedication to the Academy!

Marshall Postdoctoral Award

Chair: Will Palin

This competition recognizes excellence outstanding research performed by individuals in the transitional post-doctoral stage of their careers. The 2019 winner is:

Dr Andrei Ionescu (University, of Milan, Italy; Advisor: Dr. Salvatore Sauro).

The other finalists were: Dr. Ana Fugolin (OHSU, Portland, OR, USA; Advisor: Dr. Carmem Pfeifer) and Dr. Carina Tanaka (UNSW, Sydney, Australia; Advisor: Prof. Jamie Kruzic).

The Marshall Postdoctoral Award winner received a certificate of recognition, a financial award of US \$2,000 and a complimentary meeting registration for the ADM meeting of the subsequent year. Congratulations!



Paffenbarger Award

Chair: Arzu Tezvergil-Mutluay

This competition recognizes students who present the most excellent research at our annual conference. The 2019 winners are:

1. Kangmin Kim

Dark-Curing photoinitiators that extend the cure depth in composite materials. K. Kim, J. Sinha, A. M. Salazar, C. B. Musgrave, J. W. Stansbury (University of Colorado, Chemistry, Boulder, Colorado, USA)



2. Humberto Escobedo

Photoreactive nanogels for local treatment of the oral cavity. H. Escobedo, J.W. Stansbury, D. P. Nair (Department of Pharmaceutical Sciences, University of Colorado Anschutz Medical Campus, USA)

3. Robert Bailey

3D printable resins combining extreme strength with toughness. R. Bailey, M. Barros, P.K. Shah, J.W. Stansbury (Department of

Craniofacial Biology, University of Colorado Anschutz Medical Campus, USA).

The Paffenbarger award winner received a plaque, a money prize of US \$1,750 and free registration for the following ADM meeting; second place received a certificate, a money prize of US \$1,250 and free registration for the following ADM meeting; and third place received a certificate a money prize of US \$1,000 and free registration for the following ADM meeting. Well done!

Student Travel Award

Chair: Mutlu Özcan

This regional Award reflects the five major regions North America, Latin America, Europe, Asia/Middle East, and Asia/ Pacific. With the focus on excellence in dental biomaterials research, this travel support includes a certificate of recognition, a US \$ 1,000 money price for actual travel expenses and a free registration for the annual meeting.

The 2019 price winners are:

- Asia/Pacific: T. Y. Kang. Yonsei University College of Dentistry, Seoul, Korea: *Osteogenic and mechanical effect of ZrO₂-bioactive glasses bone graft substitute.*
- North America: L.R. Corby. University of Mississippi Medical Center, USA: *Effect of the*

ER,CR:YSGG laser conditions on debonding YSZ ceramic.

- North America: A.A. Balhaddad. University of Maryland Dental School, Baltimore, USA: *Anti-biofilm and mechanically stable bioactive composite for root caries restorations.*

University Student Award

Chair: Milena Cadenaro

In 2019, 25 members of the Academy, at various Dental Schools around the world, presented awards to the most outstanding student researchers in the field of Dental Materials – Congratulations!



Caroline LaRoy - University of Iowa

Request forms for the 2020 Awards are available at our website. Please send the request forms to the ADM Administration, attention Lynn Reeves at ADM@res-inc.com

ADM Executive Board and Committees

ADM Board of Directors:

President (2018-2020):

Jeffrey W. Stansbury

Vice-President (2018-2020):

Ulrich Lohbauer

Immediate Past-President (2018-2020):

Paulo F. Cesar

Treasurer (2016-2020):

Carmem Pfeifer

Secretary (2018-2020):

Milena Cadenaro

Board Members-At-Large:

Mutlu Özcan (2016-2020):

Arzu Tezvergil-Mutluay (2016-2020):

Roberto Braga (2017-2021):

Annalisa Mazzoni (2017-2021):

William Palin (2017-2021):

Alex Fok (2018 – 2022)

Dental Materials Editor:

David C. Watts

Transaction Editor:

Nick Silikas

Membership Chair:

Ricardo M. Carvalho

Webmaster:

David Berzins

Executive Manager:

Lynn Reeves, RES Inc.

admin@academydentalmaterials.org

ADM Current Committees:

Award Committees:

The Marshall Postdoctoral Award Chair

William Palin

Paffenbarger Award Chair

Arzu Tezvergil-Mutluay

Student Travel Award Chair

Mutlu Özcan

University Student Award Chair

Milena Cadenaro

By Laws Committee:

Jeffrey Stansbury

Milena Cadenaro

Ricardo Carvalho

Ulrich Lohbauer

Carmem Pfeifer

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Financial Advisory Committee (FAC):

Steven Armstrong

Ulrich Lohbauer

Carmem Pfeifer

Jeffrey Stansbury

Fellowship Committee:

Milena Cadenaro (Chair)

Roberto Braga

Mutlu Özcan

ADM Corporate Sponsors:



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