



# ADM Newsletter

A Publication of the Academy of Dental Materials

2019, Issue 1

## Message from the President

By Jeffrey W. Stansbury

Dear ADM Members,

It is my great honor and privilege to take on the leadership of the Academy and I am thankful to have Paulo Cesar as an exemplary model to follow. It is truly my pleasure to serve this organization and our membership. For my own introduction, I began my work in dental materials long ago when I was hired by Gerry Brauer to work in the Dental and Medical Materials Group at the National Bureau of Standards – now NIST. There I had the exceptional good fortune to work

alongside some of the legendary figures in the dental materials field. After leaving NIST to begin my academic career at the University of Colorado, I was recruited onto the ADM Board as a member-at-large in 2012 and became secretary under Bob Kelly in 2014. I'd like to take this chance to express my view that this is a fantastic and very collegial group of individuals I get to work with as president of this organization. I say that to encourage others within our membership to get involved with the governance of the Academy, but I think it is also important that all our members are aware of the generous and thoughtful nature of this leadership group. A good example of how the ADM Board takes their responsibilities very seriously is their participation in mid-year meetings ahead of our annual meeting. While a great deal of business gets conducted electronically

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## Message from the President

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throughout the year, we take advantage of opportunities like AADR and IADR conferences, where many of our Board members are present, to hold mid-year Board meetings. This past year we met in Fort Lauderdale (AADR) and in London (IADR) with 10-11 Board members gathered at each venue despite the very hectic pace of those huge meetings. We discussed issues such as our website redesign process, the transition to RES Seminars as our management team, the Financial Advisory Committee, our Awards procedures, and the now finalized renewal of our contract with Elsevier to name a few. The work done at these mid-year meetings facilitates the ability of the Board to reach well informed decisions during our Board meeting held in conjunction with our own annual Academy meeting. Again, I'd like to recognize and personally thank all our officers, members-at-large and the non-voting contributors who put in so much effort to the benefit of our Academy.

I also have to admit that one of the daunting tasks that comes with the presidency of the ADM is the overall responsibility for

programming the annual meeting. The informal yet top-tier science presentations and visionary perspectives that characterize ADM meetings in my opinion, makes this one of the most attractive meetings on my calendar. As such, I would like to encourage all our membership to consider attending the 2019 ADM meeting that will take place in the picturesque setting of Jackson Hole, Wyoming in the US (October 2-5, 2019). Our previous two meetings, both very successfully conducted under the direction of Paulo, were held in Germany and then most recently in Brazil. So, it was time to bring a meeting back to the US and I was very keen on holding the meeting in a spectacular location but one that many have perhaps not had the occasion to visit. I can assure you that the site and sights of this year's meeting will be memorable and as compelling as I hope you'll find the scientific program that we've constructed. The central theme for this upcoming meeting is "Materials to Enable the Evolution/Revolution of Digital Dentistry". I won't get into the details of all the speakers and talk titles here but let me just outline the general topics. There will be an overview of digital dentistry with a look forward to the

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## Message from the President

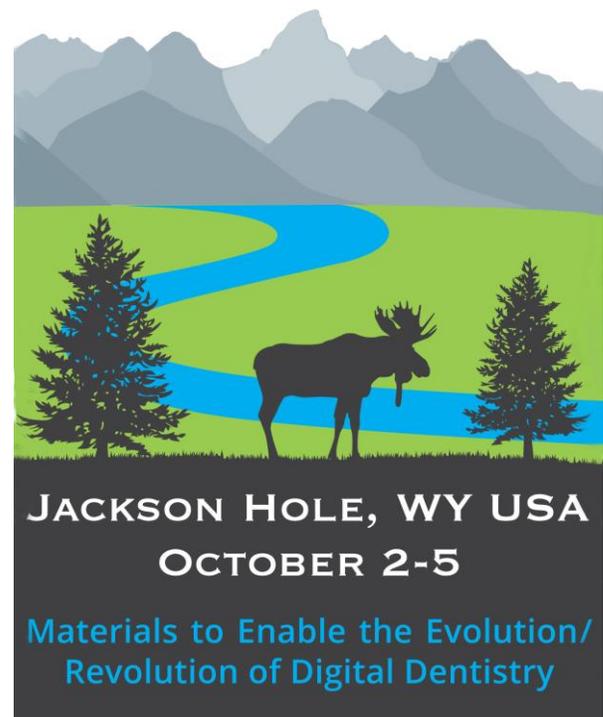
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changes that can be expected for dental education and the profession of dentistry as a result of going digital. Supporting presentations will include in-depth description of advanced imaging technologies and digital data management, new developments in ceramic milling and printing, the state-of-the-art in multi-material additive processing, approaches to bioprinting, unconventional polymeric materials with unique performance capabilities and a survey of material use and needs beyond restorative dentistry. We will also be honoring Sally and Grayson Marshall as the namesakes of the new ADM Marshall Award for post-doctoral researchers. They will team-up to provide a look back at the history of dental materials and where they see the field moving forward. I certainly hope you can join us there on the doorstep of Yellowstone Park and with a tremendous variety of outdoor activities in what I think is the ideal time of year to visit Jackson Hole. More details on the meeting in terms of technical content, abstract submission and local arrangements will be available soon on our website and through additional electronic announcements.

We have a busy year planned for the ADM but 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. ■

# ADM 2019

Academy of Dental Materials



## Message from the Past President

By Paulo F. Cesar

Dear ADM Members,

At this moment, I finalize my term as ADM President and pass it on to Jeff Stansbury to continue this diligent work for the international dental biomaterials community. This has been a very long journey of 14 years since I started working for the ADM Board back in 2004. As the president, I did my best to advance all pending issues for the Academy, and I am happy with what we have achieved so far.

During the past two years, we have created a new postdoctoral membership category, as well as two new awards: the Student Travel Award and the Marshall Award. We have also created the Financial Committee and consolidated the migration from Deanna Hilton to the company RES for both the administration of the ADM and the Annual Meeting Organization. In addition, our website has been renewed and updated to a more contemporary format with a Members Only Area containing documents of interest to our membership.

I learned a lot from my experience within the ADM, especially from my friends Board Members who are among the best researchers in the world. Therefore, I would like to extend my appreciation to all of them and especially to the incoming president, Jeff Stansbury, and the incoming Vice-President, Ulrich Lohbauer, who served as my secretary and helped me overcome many difficulties.

My appreciation also goes to Milena Cadenaro, the new ADM Secretary, to whom I wish all the luck in this new endeavour. I hope I can still help the Academy for the next two years as the Past President! ■



## Annual Meeting, 2018

By Milena Cadenaro



**ADM** 2018  
 academy of dental materials  
 Porto de Galinhas - Brazil  
 October 4 - 6

The 2018 Annual Meeting was held in the wonderful venue of Porto de Galinhas, Brazil between October 4 and 6. The Annual Meeting was a great success thanks to hard work of the President Paulo Cesar, the excellent speakers, the important support of our sponsors, and the efforts of the organizing committee: Roberto Braga, André de Vito, Fernando Maeda, Letícia Boaro, Lucas Hian da Silva, Luisa Brasil, Pedro Albuquerque, Diego Manarão, Kelli Monteiro, Lidia Arashiro, Stéphanie Favero, Kirsten Friedli, Nicole Bengtsson, Lynn Reeves, Rikki Schroeder, Deanna Hilton and Carmem Pfeifer. The high number of participants (383 attendees coming from 22 different countries) testified the success of the meeting.

The main theme of the conference was “Translational Biomaterials Research” with a first day dedicated to “Ceramics”, followed by

a day on “Remineralization”, and a last day on “Adhesives”. Nine international experts were invited to give their oral presentations. Abstracts presented at the meeting and published in Dental Materials are available at <https://www.academydentalmaterials.org/meetings/past-meetings/>

At this meeting, the new Postdoctoral membership category was introduced. In terms of membership application, postdoctoral researchers must present a verification document attesting the postdoctoral role (up to a maximum of 4 years) at the time of application. The membership rate for the postdoctoral category will be initially set at \$55 USD.



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## Annual Meeting, 2018

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At the meeting in Porto de Galinhas we also started the Marshall Postdoctoral Award, created in honor of Grayson and Sally Marshall, who have excelled in mentorship roles and have made great contributions to the ADM during their careers. Both have been Fellow members of the ADM since 1983 and are currently Emeritus members. They both served on the Board of Directors for many years. The award recognizes outstanding dental biomaterials research performed by individuals in the transitional postdoctoral stage of their careers.

Applicants must hold a postdoctoral research position up to a maximum of 4 years in the postdoctoral role and the advisor on the research abstract must be an ADM member in good standing. The postdoctoral researcher must be the first author and presenter of the research abstract, which must be accepted for presentation via the ADM review process. The Marshall Postdoctoral Award Committee will consist of members of the ADM Executive Board and will review all complete and eligible applications and select up to three

finalists to be further evaluated during the ADM Annual Meeting. Selected finalists will be invited to submit an extended two-page abstract. During the ADM Annual Meeting, the poster presentations of the selected finalists will be evaluated by the ADM Postdoctoral Award Committee, who will select one winner to be awarded during the Awards Ceremony with a certificate of recognition, a financial award of US \$2,000 and a complimentary meeting registration for the ADM meeting of the subsequent year.

2018 was also the second edition of the Student Travel Award, which was established to encourage and recognize outstanding research by students currently enrolled in an education program in areas relevant to the mission of the ADM with a financial support that should facilitate the presentation of the research, by the student, at the annual meeting of the ADM. The applicant must be a student at a recognized academic institution and the student's advisor on the abstract must be a member in good standing of the ADM. The student needs to apply for the award when submitting an abstract for the

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## Annual Meeting

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ADM annual conference and must be the first and presenting author on the abstract. In addition to the online conference abstract/poster submission, applicants need to submit an extended two-page abstract, which should be sent to the Chair of the ADM Student Travel Award Committee at:

[travelaward@academydentalmaterials.org](mailto:travelaward@academydentalmaterials.org)

by the abstract submission deadline. A verification letter of the educational status is also required. The ADM Student Travel Award Committee will review all successfully submitted nominations and will make the final decision on the awardee(s) according to a regional support. A maximum of five Student Travel Awards will be presented annually, according to the following regions: North America, Latin America, Europe, Asia/Middle East, Asia/Pacific Region. Winners will be awarded at the ADM Annual Meeting with a certificate of recognition, US \$1000 towards actual travel/lodging expenses and free meeting registration as a student member for the upcoming ADM meeting.

The 2018 Annual Meeting was also the time for a big change in the ADM Board. Paulo Cesar concluded his term as President and during the Business meeting the incoming President Jeff Stansbury thanked him for his excellent service with a plaque and a gift pen. Paulo served the Academy for 14 years and has been integral to the growth of the Academy and we are grateful for his tireless dedication to the ADM!

Ana Bedran-Russo concluded her mandate as Board member-at-large (2014-2018). Ana served as Chair of the Paffenbarger Award Committee and was local organizer of the successful Annual Meeting in Chicago in 2016. We are thankful to Ana for her time and excellent service in the Board. We welcome Alex Fok, who was nominated and voted in favor by the membership for the open Board member-at-large position for the term 2018-2022.

The two-year term of executive positions also required nominations for secretary and vice-president positions. Ulrich Lohbauer was

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## Annual Meeting

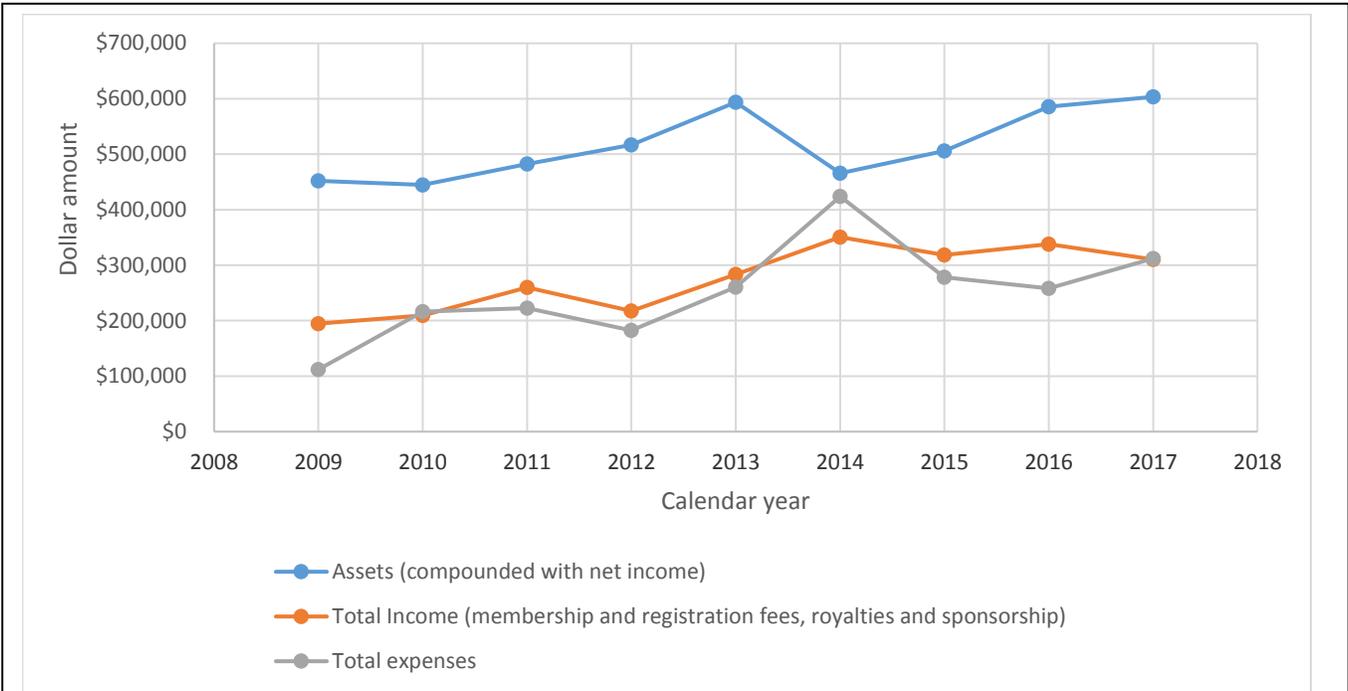
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nominated for the Vice-President position (2018-2020) and Milena Cadenaro for the Secretary position (2018-2020). The membership voted in favor of the proposed nominations from the Executive Board. We wish the new President and his Board of Directors the best of luck in their future endeavors! ■



## Treasurer’s Report

By Carmem Pfeifer



*Graph 1: Total assets, total income and total expenses for the Academy of Dental Materials in the years 2009-2017.*

Financially, the Academy is in good shape. Different from prior years, the annual accounting and reporting has changed to the calendar year mode, so the report includes the year-end numbers, and not the partial numbers at the time of the annual meeting. A Financial Advisory and Investment committee consisting of the president, vice-president, treasurer and one additional Board or regular member was instituted to aid the treasurer in

the task of managing issues related to ADM investments.

RES, Inc has assumed administrative and conference planning responsibilities beginning January 1, 2018 and named a few individuals as account administrators at Wells Fargo, and the ADM board is represented in the same capacity (full access to accounts) by the treasurer. ■

## 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 12 print issues were published on time.

In 2018 (to week 39) 777 new submitted manuscripts were received (average 20 per week). If this rate is sustained to year-end it will mean total submissions of 1040 MSS: 21 % more than 2017. The numbers of weeks between initial submission and (a) first decision & (b) final editorial outcome have both reduced over the period 2014-2018, to 11.9 & 17.9, respectively. The acceptance rate is 22-23 % for full-length articles and 22-38 % for reviews (2017-18). Manuscripts accepted are typically 180-200/year. The top 5 countries for acceptance were: Germany (32), USA (30), Brazil (24), China (12) & UK (11). The great majority of manuscripts were published with subscription access, rather than Gold Open Access.

The latest Impact Factor (for 2017) is 4.039, based on the preceding 2-year window.

Elsevier's Scopus CiteScore (4.53), based on a 3-year window, ranks Dental Materials 2nd out of 114 journals. In 2017, we had 12,466 citations. Dental Materials citation numbers have increased, year on year, since 2011. In 2017, the 'top 23 papers' had a total of 43,128 downloads. 11 of these 23 were review papers – published between 2007-2018. Many downloads were made of ADM Guidance papers.

Along with other measures of the impact of papers published in Dental Materials, such as download and citation numbers, Elsevier are also using a system called Plum Metrics ([www.plumanalytics.com](http://www.plumanalytics.com)). These analyses include social media Likes, Shares and Comments. So far it is early days, but this aspect may grow.

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 2018, the Academy awarded Fellowships to Luis Felipe Schneider, Rafael Moraes, Yu Zhang, Jean-Francois Roulet and Muhanad Hatamleh. The respective plaques were presented during the annual meeting in Porto de Galinhas. Congratulations to our new Fellows!



### Emeritus Status

The Executive Board approved Emeritus status for Tom Hilton (2018), Diane Rekow (2019), and Van Thomson (2019).

We wish you all the best for your future!

### 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 2018 winner is: Dr Marina Kaizer (New York University, USA)

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.



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## Fellowships and Awards

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### Paffenbarger Award

Chair: Arzu Tezvergil-Mutluay

This competition recognizes students who present the most excellent research at our annual conference. The 2018 winners are:

#### 1. Isadora Garcia

Non-agglomerated ionic liquid-stabilized titania quantum dots in adhesive resin. I.M. Garcia, V.S. Souza, C. Hellriegel, J.D. Scholten, F.M. Collares. (Federal University of Rio Grande Do Sul, & Carl Zeiss Microscopy GmbH, Jena, Germany).



#### 2. Luciano Barcelos

Effect of the photoinitiator system on the polymerization of methacrylamides. L.M. Barcelos, M.G. Borges, C.J. Soares, M.S. Menezes, A.P.P. Fugolin, A. Dobson, V. Huynh, C.S. Pfeifer. (Federal University of Uberlandia & Oregon Health and Science University)

#### 3. Victor Mosquim

Chemical and structural characterizations of an experimental silica/Y-TZP glass-ceramic. V. Mosquim, B.M. Ferrairo, C. A. Fortulan, P.N. Lisboa-Filho, A.G. Magdalena, F.M.L. Pontes, E.A. Bonfante, P.F. Cesar, A.F.S. Borges. (University of São Paulo, Brazil & São Paulo State University, Brazil).

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.

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## Fellowships and Awards

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### 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 prize for actual travel expenses and a free registration for the annual meeting.

The 2018 prize winners are:

Asia/Middle East: No application received.

Asia/Pacific: No application received.

Europe: No application received.

Latin America: Rodrigo Ottoni

University of Passa Fundo, Brazil: *Precision of Different Fatigue Methods for Predicting Dental Ceramic Failure*

North America: Jodha Kartikeya

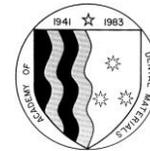
University of Mississippi Medical Center, USA: *Challenges in Measuring Fracture Toughness of Dental Ceramics: SEPB Method*

### University Student Award

In 2018, 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!

Request forms for the 2019 University Student Awards are available at our website. Please send the request forms to the ADM administration office at ADM@res--inc.com ■



### Call for Abstracts

The abstract submission site will open **April 1, 2019**. The Scientific Program Committee invites you to submit an abstract to be considered for Poster Presentation at the 2019 Conference Program.

**IMPORTANT DEADLINES**  
abstract submission deadline:  
**June 01, 2019**

Pre-Registration Deadline for  
Presenters: **July 22, 2019**

Final Acceptance: **August 3, 2019**

## ADM Executive Board and Committees

### ADM Board of Directors:

#### President (2018-2020):

Jeffrey W. Stansbury

[Jeffrey.Stansbury@ucdenver.edu](mailto:Jeffrey.Stansbury@ucdenver.edu)

#### Vice-President (2018-2020):

Ulrich Lohbauer

[ulrich.lohbauer@fau.de](mailto:ulrich.lohbauer@fau.de)

#### Immediate Past-President (2018-2020):

Paulo F. Cesar

[paulofc@usp.br](mailto:paulofc@usp.br)

#### Treasurer (2016-2020):

Carmem Pfeifer

[pfeiferc@ohsu.edu](mailto:pfeiferc@ohsu.edu)

#### Secretary (2018-2019):

Milena Cadenaro

[mcadenaro@units.it](mailto:mcadenaro@units.it)

### Board Members-At-Large:

#### Mutlu Özcan (2016-2020):

[mutluozcan@hotmail.com](mailto:mutluozcan@hotmail.com)

#### Arzu Tezvergil-Mutluay (2016-2020):

[arztez@utu.fi](mailto:arztez@utu.fi)

#### Roberto Braga (2017-2021):

[rrbraga@usp.br](mailto:rrbraga@usp.br)

#### Annalisa Mazzoni (2017-2021):

[annalisa.mazzoni@unibo.it](mailto:annalisa.mazzoni@unibo.it)

#### William Palin (2017-2021):

[W.M.Palin@bham.ac.uk](mailto:W.M.Palin@bham.ac.uk)

#### Alex Fok (2018 - 2022)

[alexfok@umn.edu](mailto:alexfok@umn.edu)

#### Dental Materials Editor:

David C. Watts

[david.watts@manchester.ac.uk](mailto:david.watts@manchester.ac.uk)

#### Transaction Editor:

Nick Silikas

[nick.silikas@manchester.ac.uk](mailto:nick.silikas@manchester.ac.uk)

#### Membership Chair:

Ricardo M. Carvalho

[rickmc@dentistry.ubc.ca](mailto:rickmc@dentistry.ubc.ca)

#### Webmaster:

David Berzins

[david.berzins@marquette.edu](mailto:david.berzins@marquette.edu)

#### Executive Manager:

Lynn Reeves, RES Inc.

[admin@academydentalmaterials.org](mailto: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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## ADM Executive Board and Committees

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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

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### ADM Corporate Sponsors:



# ADM 2019

Academy of Dental Materials



**JACKSON HOLE, WY USA  
OCTOBER 2-5**

**Materials to Enable the Evolution/  
Revolution of Digital Dentistry**

Please visit the ADM Conference Website to view the 2019  
Invited Speakers and updated scientific program information



**ADM ADMINISTRATION**  
adm@res-inc.com | 1.858.272.1018  
www.admconference.com



**OCTOBER 2-5, 2019**

**FOUR SEASONS  
RESORT JACKSON  
HOLE, WY**

Mark your calendars to  
join your colleagues in  
beautiful Jackson Hole!

