

The 4th Biennial Meeting of the International Academy for Adhesive Dentistry (December 3rd and 4th, 2021)

Registration (\$25.00 to \$195)

<https://washingtonagd.org/event/iaad-2021-meeting/>

Abstract Submission

Categories: Clinical Report, Clinical Research and Laboratory Research

<https://abstracts.adhesivedentistry.org/>

Author Guidelines: <https://abstracts.adhesivedentistry.org/index.php/author-guidelines/>

Poster Competition Awards

All abstracts ranging from Clinical Reports to Clinical and Laboratory Research are welcome in these competitions:

- “Presidential IAAD Scientist Award for Student Scientists”: student or resident at a college or university undergraduate, BDS/DDS, or post-graduate certificate/master program at time of submission.
- “Fusayama IAAD Scientist Award for Junior Scientists”: student in a PhD program or researcher within five years after her/his last degree at time of submission.
- “IAAD Clinician Award”: any individual within five years after her/his last degree at time of submission as well as for students or residents at a college or university, undergraduate, BDS/DDS, post-graduate certificate/master or PhD program at time of submission.

The first place winner in each category will be awarded US\$ 300, the second place winner will be awarded US\$ 200, and the third place winner will be awarded US\$ 100.
<https://abstracts.adhesivedentistry.org/index.php/iaad-award/>

Speakers, Presentations, and Meeting Schedule

1. **Professor Jean-Francois Roulet** / December 3, 2021 (Friday, 09:10 am)
Academic Affiliation: University of Florida (USA)
Presentation Title: *IAAD – The First Years – Where Do We Go From There?*
Description: The IAAD was founded in 2013 with much enthusiasm with a short, but intensive preparation time. The founders meeting was followed by three rich biennial meetings (Orlando, Philadelphia, and Bologna), which showed the problem with any new organization: More work is carried by fewer shoulders. The Covid-19 pandemic has not only brought new challenges but has changed the world. The IAAD must reinvent itself in a post-Covid-19 world.
2. **Professor Junji Tagami** / December 3, 2021 (Friday, 9:40 am)

Academic Affiliation: Tokyo Medical and Dental University (Japan)

Presentation Title: *What is Happening in the Cavity?*

Description: During and after placement of the direct composite restoration, gaps, fractures at the enamel-dentin junction and marginal enamel fractures are caused by shrinkage stress of the composite resin. This phenomenon was proven by OCT analysis. Understanding the mechanism of the above phenomenon is important to solve the issues. The solutions will be discussed in detail and demonstrated in the lecture.

3. **Professor George Eliades** / December 3, 2021 (Friday, 10:30 am)

Academic Affiliation: National and Kapodistrian University of Athens (Greece)

Presentation Title: *Self-Adhesive Cements: Complex Issues of Simplified Treatment Modalities*

Description: Self-adhesive cements have become popular due to their fast and simple application procedure. Some new products have extended clinical indications, including etchable glass-ceramics, thus providing a means of universal adhesive cementation. However, the complex chemistry of self-adhesive cements has raised issues related to their setting reactions (curing capacity, acidic monomer neutralization), mechanical properties (hardness, elastic modulus, creep), bond strength with restorative materials/hard dental tissues and product stability. Several modifications have been introduced to improve curing characteristics and interfacial strength by the addition of primers. The aim of this presentation is to critically review the performance characteristics of these cements.

4. **Professor Salvatore Sauro** / December 3, 2021 (Friday, 1:00 pm)

Academic Affiliation: Universidad CEU-Cardenal Herrera (Spain)

Presentation Title: *Potential Clinical Translation of Laboratory Research on Bio-Interactive Restorative Strategies*

Description: This lecture will attempt to bring together a number of seemingly unrelated events, to show how experimental bio-interactive strategies may contribute to improvements of direct restorations. It will be highlighted how “smart” ion-releasing materials may possibly bio-interact with dental hard tissues and reduce the degradation of the resin-dentin interface via remineralization, thus improving the durability of resin-dentin bonds.

5. **Professor Frederick Rueggeberg** / December 3, 2021 (Friday, 1:50 pm)

Academic Affiliation: Augusta University (USA)

Presentation Title: *Resin Cementation: Interfaces and Polymerization*

Description: Success in using resins as cementing agents for dental applications involves an intimate understanding of the properties of the various interfaces with which the restorative elements present as well as an appreciation for the characteristics of the photocuring mechanisms available among the cements themselves. This presentation will review important characteristic of tooth structure and restorative materials that must be conditioned to interact with and bond to a resin-based dental cement. In addition, aspects of the chemistry of polymerization of the resin cement in relationship to providing an adequate bonding to both substrates will be considered.

6. **Professor Jorge Perdigão** / December 3, 2021 (Friday, 2:40 pm)

Academic Affiliation: University of Minnesota (USA)
Presentation Title: *Myths and Facts in Adhesive Dentistry – An Update*

Description: Restorative dental materials are continuously launched on the market and updated within a short period of time. Clinicians feel lost because they do not have access to the latest evidence-based information, thus relying on information provided by manufacturers and/or publicized in CE courses often without solid evidence to support the claims. Among many other examples, there is no sound clinical evidence to back the use of dentin adhesives to seal dentin prepared for indirect restorations, or the use of glutaraldehyde-based desensitizers and MMP inhibitors underneath adhesive restorations.

7. **Professor Oswaldo Scopin de Andrade** / December 4, 2021 (Saturday, 9:00 am)

Academic Affiliation: SENAC University (Brazil)
Presentation Title: *Adhesive Ceramic Restorations: Critical Steps for Clinical Longevity*

Description: Laminate veneers, partial restorations and conservative crowns, named “full veneer”, made with ceramic, are predictable treatment options, and have been more and more utilized by clinicians as a predictable type of restorations for the anterior and posterior dentition. When bonded to enamel, this modality of treatment allows the clinician to obtain a long-term stable result. Utilizing current laboratory techniques associated with a strict clinical bonding protocol followed by proper polishing and finishing procedures, it is possible to deliver very thin restorations, with minimal loss of hard tissue. This presentation will show how it is possible to achieve clinical longevity by following a rigorous protocol during the most critical steps; in this manner, we change the way we plan, execute, deliver and control oral rehabilitation made with current ceramic materials.

8. **Professor Estevam Augusto Bonfante** / December 4, 2021 (Saturday – 9:50 am)

Academic Affiliation: University of São Paulo (Brazil)
Presentation Title: *Longevity and Repair of Implant-Supported Prosthesis: Where Are We Headed?*

Description: Implant-supported fixed dental prostheses have frequent complications that may be managed in the long term by combining digital dentistry and adhesive techniques. The evidence-based state of the art and future outlook on the use of ceramics in this scenario will be discussed, as well as the alternatives that use adhesive techniques and the possibility of repairing milled fiber-reinforced composite framework materials.

9. **Professor Ronaldo Hirata** / December 4, 2021 (Saturday, 10:40 am)

Academic Affiliation: New York University (USA)
Presentation Title: *A View from a Young Dentist Back in 1994*

Description: Longevity of composite restorations in a private office; laboratory data versus clinical results; are some laboratory tests really important clinically?; adhesion problems in clinical practice.

10. **Professor Carlos Alberto de Souza Costa** / December 4, 2021 (Saturday, 1:00 pm)

Academic Affiliation: São Paulo State University (Brazil)
Presentation Title: *Pulp Response to Restorative Dental Materials and Bleaching Agents*

Description: The aim of this lecture is to share with clinicians the safety of some treatments currently carried out in dentistry. Initially, the characteristics of the sound pulp-dentin complex will be revisited. Considering this basic knowledge, the response of human pulps following in-office bleaching and adhesive restoration of deep cavities with or without pulp exposure will be presented.

11. **Professor Alessandra Reis** / December 4, 2021 (Saturday, 1:50 pm)

Academic Affiliation: State University of Ponta Grossa (Brazil)

Presentation Title: *Myths in Dental Bonding: An Evidence-Based Perspective*

Description: Dental adhesives are one of the most investigated materials in the field of dentistry. Thousands of laboratory studies are published yearly; however, they have a low level of evidence for clinical recommendations. This presentation will discuss some of the dental bonding beliefs that were later demystified by randomized controlled trials and systematic reviews of the literature. These are the study designs at the highest level of evidence for clinical recommendations.

12. **Professor Roberto Ruggiero Braga** / December 4, 2021 (Saturday, 2:40 pm)

Academic Affiliation: University of São Paulo (Brazil)
Presentation Title: *Phosphate Synthesis and Application as Ion-Releasing Particles in Restorative Materials*

Description: Calcium orthophosphate (CaP) particles represent an interesting option as an ion source to foster mineral precipitation at the tooth-restoration interface. This presentation will cover the basic aspects of CaP precipitation synthesis and how their incorporation into resin-based composites and glass ionomers affects their mechanical behavior and mineralization potential.

Important Dates

- Abstract Submission Site Opens:
June 14, 2021
- Abstract Submission Deadline:
August 13, 2021
- Abstract Notification Sent:
September 18, 2021
- Pre-Registration Deadline:
October 15, 2021
- Digital Poster and Video Submission:
November 5, 2021

- Virtual Posters Available for Viewing:
November 19 until after the meeting
- Judging Period for Virtual Poster Competition:
November 19th-28th, 2021

Further information is available at: adhesivedentistry.org

Marcelo Giannini
IAAD President



**Professor
Jean-Francois Roulet**



**Professor
Junji Tagami**



**Professor
George Eliades**



**Professor
Salvatore Sauro**



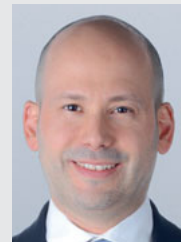
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Frederick Rueggeberg**



**Professor
Jorge Perdigão**



**Professor
Oswaldo Scopin de Andrade**



**Professor Estevam
Augusto Bonfante**



**Professor
Ronaldo Hirata**



**Professor
Carlos Alberto de
Souza Costa**



**Professor
Alessandra Reis**



**Professor Roberto
Ruggiero Braga**