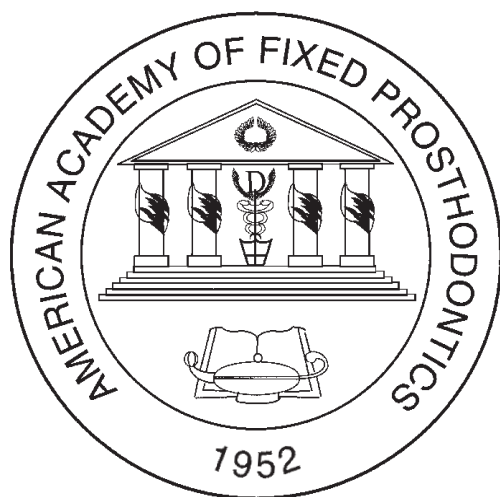


THE AMERICAN ACADEMY  
OF FIXED PROSTHODONTICS



EXPANDING  
— DIMENSIONS IN —  
FIXED PROSTHODONTICS

68<sup>th</sup> ANNUAL SCIENTIFIC SESSION

Friday, February 22, 2019

Saturday, February 23, 2019

CHICAGO MARRIOTT DOWNTOWN

7<sup>TH</sup> FLOOR BALLROOMS I, II, III

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## TENTATIVE 2020 MEETING DATE February 21-22, 2020

The American Academy of Fixed Prosthodontics provides programs for its members that support its mission to foster excellence in the field of fixed prosthodontics, including promoting excellence in patient care and enhancing the professional lives of its members.

Continuing education programs are planned, developed, and managed by the AAFP Program Chair in consultation with the Continuing Dental Education Compliance Committee; the programs are in accordance with the Academy's mission and goals and the content includes the results

of responses obtained from the written comments provided by course participants on the evaluation form.

ADA CERP is a service of the American Dental Association to assist dental professionals in identifying quality providers of continuing dental education. ADA CERP does not approve or endorse individual courses or instructors, nor does it imply acceptance of credit hours by boards of dentistry.

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## THE AMERICAN ACADEMY OF FIXED PROSTHODONTICS MISSION AND GOALS

The mission of The American Academy of Fixed Prosthodontics is to foster excellence in the field of fixed prosthodontics, implants, and esthetic dentistry through mutual study, participation, and cooperation.

The Academy shall:

1. Provide for educational enrichment of those with a recognized commitment and dedication to the field of fixed prosthodontics, implants, and esthetic dentistry.
2. Represent the discipline of fixed prosthodontics at all levels of the dental profession.
3. Promote excellence in patient care.
4. Promote excellence in teaching.
5. Encourage and support research in fixed prosthodontics.
6. Promote camaraderie and fellowship among the members of the Academy.

Authored by

Dr. Stephen D. Campbell

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## THE ORIGIN AND HERITAGE OF THE AMERICAN ACADEMY OF FIXED PROSTHODONTICS

The American Academy of Fixed Prosthodontics, originally The American Academy of Crown and Bridge Prosthodontics and renamed in 1991, has been and will continue to be the leading national voice of fixed prosthodontics. Its membership is composed of educators, clinical practitioners, and researchers in this important discipline of dentistry.

The purpose of this organization is to pursue, by mutual study and cooperation, activities reflecting a high and ethical standard of practice, teaching, and research in the art and science of crown and bridge prosthodontics.

The Academy originated in 1950 in Chicago, Illinois. The three men who deserve credit for its concept and preliminary planning are Dr. Stanley D. Tylman, Dr. Claude R. Baker, and Dr. George H. Moulton. These men of vision rallied other important leaders in the crown and bridge field to actively support their cause. Together, they planned an organizational meeting that took place at the Stevens Hotel on February 5, 1951. Those present at that meeting were Drs. Stanley D. Tylman, Arthur O. Klaffenbach, Robert P. Dressel, Alver Selberg, Charles E. Peterka, Earl A. Nelson, Claude R. Baker, and George H. Moulton. Dr. Baker was chosen as temporary chairman and Dr. Moulton as temporary secretary.

The next meeting took place in French Lick, Indiana, on March 19, 1951, where the tentative constitution and bylaws were presented for final approval. Charter members were initiated into the Academy on February 2, 1952, in Chicago, making this the first annual meeting of The Academy of Crown and Bridge Prosthodontics. We have continued to grow and expand our national and international membership to our present total of nearly 600 active and life members in 24 different countries.

Members of today have a proud heritage in the Academy. We continue to dedicate ourselves to the pursuit of knowledge, truth, and competency in research, in teaching, and in the clinical practice of crown and bridge prosthodontics.

Authored by Dr. Jesse T. Bullard

## PAST PRESIDENTS

* Claude R. Baker.....	1952-53	Herbert Ptack .....	1986
* Robert P. Dressel.....	1954	* Ralph A. Yuodelis .....	1987
* E. David Shooshan.....	1955	* William D. Culpepper.....	1988
* Earl Allen Nelson .....	1956	Ronald G. Granger .....	1989
* L. Walter Brown, Jr.....	1957	Maurice H. Martel .....	1990
* George H. Moulton .....	1958	Ronald D. Woody.....	1991
* Francis B. Vedder.....	1959	Albert J. Kazis.....	1992
* Stanley D. Tylman.....	1960	* William L. Nequette .....	1993
* William H. Hagen .....	1961	Dale L. Timberlake .....	1994
* Everett Carl Brooks.....	1962	Jesse T. Bullard.....	1995
* Ernest B. Nuttall .....	1963	Harvey L. Colman .....	1996
* Fred Norman Bazola.....	1964	Gerald J. Ziebert .....	1997
* John D. Adams .....	1965	* Richard D. Wilson .....	1998
* Robert Conley Zeisz.....	1966	Denny M. Smith.....	1999
* Willis Edward Corry.....	1967	Davis A. Garlapo .....	2000
* Joseph E. Ewing .....	1968	Stephen D. Campbell.....	2001
* E. Edward Kraus.....	1969	Richard R. Cavanaugh.....	2002
* Raymond M. Contino .....	1970	John T. Goodman .....	2003
* Douglas H. Yock.....	1971	William W. Nagy.....	2004
* Philip Williams.....	1972	Peter S. Lund .....	2005
* Douglas M. Lyon.....	1973	H. Philip Pierpont .....	2006
Kenneth A. Morrison .....	1974	Jane D. Brewer .....	2007
* Robert Sheldon Stein .....	1975	Martin F. Land .....	2008
* John M. Schlick .....	1976	John R. Agar .....	2009
* Charles L. Ziegler .....	1976	Kent L. Knoernschild .....	2010
Charles J. King .....	1977	Stephen F. Rosenstiel.....	2011
* Samuel E. Guyer .....	1978	J. Robert Kelly .....	2012
* Roland W. Dykema.....	1979	Carl F. Driscoll.....	2013
* Wade H. Hagerman, Jr. ...	1980	Julie A. Holloway .....	2014
* Robert D. Jeronimus.....	1981	Jack Lipkin .....	2015
* Lloyd L. Miller .....	1982	Steven Morgano .....	2016
* John H. Emmert.....	1983	Gerald Santulli.....	2017
* Alfred C. Macaluso .....	1984	David Burns .....	2018
* Ernest B. Mingledorff.....	1985	Ariel Raigrodski.....	2019

---

\* Deceased



## **DR. ARIEL RAIGRODSKI**

### **President, 2018-2019**

I am thrilled and humbled to welcome you to Chicago as the 68th President of the American Academy of Fixed Prosthodontics. Our 68th annual meeting is packed with educational and active learning opportunities and social activities for enhancing networking and camaraderie, which are all the hallmark of the Academy. In the words of Lennon and McCartney "A splendid time is guaranteed for all." So welcome members, new members, life members, graduate students, guests, exhibitors, and Academy friends.

The Academy continues to be a leading organization in our discipline, meeting the challenges of the future while continuing to recruit and nurture new members. This year we are extremely fortunate to have been joined by 22 talented and dynamic new members, some of whom rapidly became involved in serving within the Academy. I call on our membership to continue this tradition and continue to recruit and mentor new members. And new members, urge you to seek opportunities to serve, which will also provide you with the unique opportunity to forge new relationships and strengthen old friendships in the tradition of our Academy. Every year our Academy continues to raise the quality bar of our scientific program and this year is no exception — our Scientific Program Co-chairs, Drs. Mathew Kattadiyil and Robert Walter put together yet another fantastic program. With the theme of "Expanding Dimensions in Fixed Prosthodontics" they managed to put together an outstanding line-up of dynamic superstars. I look forward to all of us being inspired by our dynamic speakers and know that we will harness all that new information for enhancing our clinical skills and for providing excellent patient care.

During the 2018 Memorial Day weekend, for the first time, our Academy joined forces with the Dutch Flemish Restorative Academy in Amsterdam. This unique meeting, which was superb both in terms of the high-quality scientific meeting as well as the social program, was truly a unique experience. Planned and put together through the collaborative efforts of Dr. Paul de Kok from the Dutch Flemish Restorative Academy and Academy's Past Presidents Drs. Martin Land and Jack Lipkin, the meeting simply exceeded all expectations. Over 230 dentists attended the meeting from all over the world, many of them members of our Academy including 10 Past Presidents. I would like to thank our colleagues in the Netherlands, especially Dr. Paul de Kok, and Drs. Land and Lipkin for all their hard work which made this meeting such a great success. In addition, this year, for the first time, we are very fortunate to have a pre-meeting Hands-On Workshop titled "From Intra-Oral Scan to Completed 3D Printed Surgical Guide." With two 4 hours sessions on Thursday morning and Thursday afternoon and with limited attendance of 20 per session, participants have the opportunity to learn the step-by-step process from Intra-oral scan to 3D printing of a Surgical Guide.

Finally, I am grateful to all my Academy mentors who have guided and inspired me through the years. I cannot thank enough the Academy's officers, members of the Board of Directors, and committee members of the Academy for all their help this year and for their continuous commitment and service to this Academy. Thank you all for giving me the honor and privilege to serve the Academy, and I wish you all a wonderful meeting.

Dr. Ariel Raigrodski  
President

**OFFICERS AND DIRECTORS 2018-2019**  
**STANDING COMMITTEES 2018-2019**  
**AMERICAN ACADEMY OF FIXED PROSTHODONTICS**

**President**

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Email: draigrodski@ARIdentistrynorthwest.com

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**Vice President**

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John Boyle 2020  
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John Agar 2020  
Geoffrey Thompson 2020

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James Ywom AV Consultant, 2020  
Fatima Afshari 2020  
Foteini Touloumi 2021

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Steve Brousseau 2019  
Paul Kudyba 2020  
Geoffrey Thompson 2020

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Stan Vermilyea ex-officio  
Radi Masri ex-officio  
Elena Nazarova 2019  
David Donatelli 2021

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Lillian Mitchell 2019  
Ricardo Schwedhelm 2020

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Ghadeer Thalji, 2019  
Geoff Thompson, 2019  
Radi Masri 2020  
Hongseok An 2023  
Ken Chen 2023  
Yang Bin 2024  
Patchanee Rungruanganunt 2024

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Gerry Santulli 2020  
Steven Morgano 2019  
Stan Vermilyea 2019  
Radi Masri, 2019

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Ron Woody 2022  
Martin Land ad hoc  
Stephen Rosenstiel Ex-Officio

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Martin Land, Parliamentarian and Chair  
Gerry Santulli, Consultant

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Karen Bruggers 2019  
Ariel Raigrodski, President-Elect, Ex Officio  
Stan Vermilyea, Vice-President, Ex Officio  
Douglas Phillips, Treasurer, Ex Officio

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David Burns 2020  
Avi Bidra 2021  
Sangeetha Raghavendra 2021  
Stephen Rosenstiel, Ex Officio

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Aram Kim, Chair and Newsletter Editor, 2021  
Alexandra Yarborough 2023  
Jennifer Kuracina 2023  
Steve Rosenstiel Ex Officio  
Silvia Amaya Pajares Academy Photographer

## **ETHICS COMMITTEE**

Radi Masri, Chair  
Craig Neitzke 2019  
Jung Nam 2022

## **CLAUDE R. BAKER TEACHING AWARD IN FIXED PROSTHODONTICS**

Ricardo Schwedhelm 2020, Chair  
Peter Barndt 2019  
Darshanjit Pannu 2020  
Joon Coe 2020  
Sarit Kaplan 2022

## **INFORMATION TECHNOLOGY COMMITTEE**

Sangeetha Raghavendra 2022, Chair  
Tim Kyger 2020  
Caroline Nguyen 2022

## **GARVER-STAFFANOU PROSTHODONTIC RESIDENCY EDUCATOR AWARD**

Jane Brewer 2020, Chair  
Hiroshi Hirayama 2021  
William Nagy 2021  
Curt Werking 2019

## EXHIBITS COMMITTEE

Darshanjit Pannu 2021, Chair  
Ramtin Sadid-Zadeh 2019  
Soni Prasad, 2021  
Steve Raney ad hoc

## RESEARCH IN FIXED PROSTHODONTICS

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Darshanjit Pannu, 2020 Chair  
Hongseok An 2020  
Robert Walter 2020

### Committee B

Hai Zhang 2019 Chair  
Van Ramos 2019  
Manuel Bratos 2019

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### PARLIAMENTARIAN

Martin Land

### SECRETARY FOR GUESTS

Douglas Phillips

### MEETING DIRECTOR

Igor Pesun

### CHAPLAINS

Earl Stover  
Sarita Arteaga

### ACP PROSTHODONTIC FORUM REPRESENTATIVES

Ariel Raigrodski  
Stan Vermilyea, Alternate

## PREVIOUS 1ST PLACE WINNERS OF THE TYLMAN AWARD

1979: James N. Ciesco	2000: Reza Heshmati
1980: Boris Schwartzman	2001: Salman A. Lakhani
1981: Timothy O. Hart	2002: Periklis Proussaefs
1982: Not awarded	2003: Luis Keys
1983: David Alan Chance	2004: Vanesåsa Swain
1984: Jeffrey L. Hudgins	2005: Philip Tan
1985: George W. Kay	2006: Kelly Copps Wood
1986: Anthony J. G. Dickinson	2007: Heather J. Conrad
1987: Izchak Bartzilay	2008: Keith L. Guzaitis
1988: Susan E. Brackett	2009: Islam Khasawneh
1989: Not awarded	2010: Daniel Domagala
1990: Shane N. White	2011: Seok-Hwan Cho
1991: Not awarded	2012: Monica Parekh
1992: Not awarded	2013: Matthew Anderson
1993: Louis Menegotto	2014: Matilda Dhima
1994: Syed Faheem Rasool	2015: Aurora Dibner
1995: Fonda G. Robinson	2016: Diane Vo
1996: Paula K. Yliheikkila	2017: William Wahle
1997: Kevin H. O'Boyle	2018: Michele Buda
1998: David G. Gratton	<small>*date listed is date awarded – award adjudicated in the preceding year</small>
1999: Douglas E. Ford	

*Special thanks to the  
Editorial Council of the Journal of Prosthetic Dentistry  
for its ongoing support of the  
Tylman Research Program*

## PREVIOUS MOULTON AWARD RECIPIENTS

1992: George H. Moulton	2006: Kenneth Malament
1993: Ernest B. Nuttall Max Kornfeld	2007: Stephen D. Campbell
1994: Robert J. Nelson	2008: Don G. Garver
1995: Everitt V. Payne	2009: Steven Aquilino
1996: Samuel E. Guyer	2010: Harold Litvak
1997: Roland W. Dykema	2011: Bill B. Lefler
1998: Herbert T. Shillingburg, Jr.	2012: Denny M. Smith
2000: Lloyd L. Miller	2013: Jesse T. Bullard
2001: Ralph Yuodelis	2014: Stephen F. Rosenstiel
2002: Robert S. Staffanou	2015: John R. Agar
2003: Maurice H. Martel	2016: Carl Driscoll
2004: Ronald D. Woody	2017: Martin F. Land
2005: Charles J. Goodacre	2018: J. Robert Kelly

## PREVIOUS BAKER AWARD RECIPIENTS

2003: Alvin Wee	2011: Lillian M. Mitchell
2004: Ariel Raigrodski	2012: Judy C-C Yuan
2005: Nyung G. Chang	2013: Not Awarded
2006: Patchnee Rungruanganunt	2014: Alexander Bendayan
2007: Shigemi Ishikawa-Nagai	2015: Matthew Palermo
2009: Nadim Baba	2016: Fatemeh Afshari
2010: Mijin Choi	2017: Aaron Cho
	2018: Natalie Buu Hastings

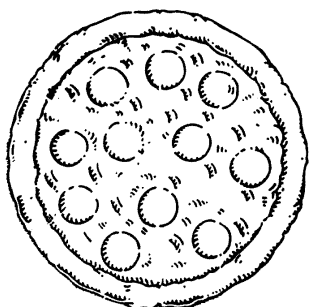
## PREVIOUS GARVER-STAFFANOU PROSTHODONTIC RESIDENCY EDUCATOR AWARD RECIPIENTS

2010: Gerald Ziebert	2015: Wayne Campagni
2011: Carl Jerry Andres	2016: Hiroshi Hirayama
2012: John R. Agar	2017: Steven Aquilino
2013: William Nagy	2018: Julie Holloway
2014: Carl Driscoll	

## HONORARY MEMBERS

1956: Oscar P. Snyder	1961: Floyd A. Peyton
1958: Arthur O. Klaffenbach	1976: Ralph Phillips
1958: Ralph W. Malone	1976: Robert J. Nelsen
1959: George M. Hollenback	2012: Charles Gibbs

# *Members Annual Business Meeting and Welcome Reception with Pizza and Drinks*



**THURSDAY, FEBRUARY 21, 2019**

**4:30 – 5:00 PM**

*Early Registration for Members*  
4th Floor, Halsted Foyer

**5:00 – 6:15 PM**

*Members Annual Business Meeting  
with Pizza and Host Bar*  
4th Floor, Marriott Ballroom

Attendance at these events is restricted to Academy Members.

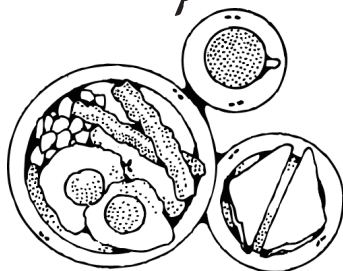
# *Past Presidents' and New Members' Breakfast*

**Saturday, February 23, 2019**

**7:00 AM,**

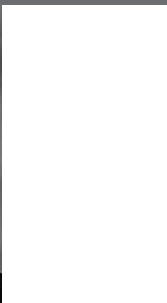
*Lincolnshire Room*  
Salon I & II (6th Floor)

New Members, Past Presidents, Officers,  
Directors only please.





## 2019 PROGRAM CO-CHAIRS



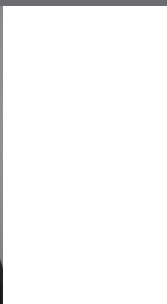
Dr. Mathew Kattadiyil & Dr. Robert Walter

## 2018 PROGRAM CHAIR



Dr. Avinash Bidra & Dr. Sangeetha Raghavendra

## 2020 PROGRAM CO-CHAIRS



Dr. Geoffrey Thompson & Dr. John Agar

## EXHIBITOR DIRECTORY

### **Dr. Darshanjit Pannu, Chair Exhibits Committee**

All breakfasts and coffee breaks are located in the Exhibit Hall, Salon III, 7th Floor

<b>Company</b>	<b>Booth</b>
3Shape	135
Asahi Refining USA, Inc.	104
BioHorizons	126
Brasseler USA	112
Cagenix	115
ClearChoice	*132
Cusp Dental Research, Inc.	103
Dentsply Sirona	*122
Designs for Vision, Inc.	100
GC America	127
Glaxo	134
Henry Schein Dental	136-137
Ivoclar Vivadent	*128-129
Kettenback	113
Kuraray America, Inc.	102
MoraVision, Inc.	133
Nobel Biocare	*130-131
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Quintessence Publishing Co., Inc.	106-107
Root Laboratory Inc.	124-125
SAM Präzisionstechnik GmbH	117
starMed Technik	116
Straumann USA	*120
TePe Oral Health	105
Valley Dental Arts, Inc.	114
Whip Mix Corporation	*118-119
Zest Dental Solutions	*121
Zimmer Biomet	*123

*\*Sponsors*

The American Academy of Fixed Prosthodontics  
67th Annual Scientific Session  
Friday, February 22, 2019  
The Chicago Marriott Hotel Downtown  
5:15 – 7 :00 p.m. Chicago Ballroom, 5th Floor

1. Tylman Award First Place Winner:  
The accuracy of different digital impression techniques and scan bodies for complete-arch implant-supported reconstructions  
Presenter: Dr. Ryan Mizumoto  
Research Advisor: Dr. Burak Yilmaz  
Program Director: Dr. Damian Lee  
The Ohio State University College of Dentistry
2. Tylman Award Second Place winner:  
Effect of finish line design and metal alloy on marginal and internal gap of selective laser melting printed copings  
Presenter: Dr. Adel Al Maaz  
Research Advisor: Dr. Geoffrey Thompson  
Program Director: Dr. Geoffrey Thompson  
Marquette University School of Dentistry
3. Tylman Award Third Place Winner:  
The effect of firing on the marginal fit of heat-pressed lithium disilicate veneers  
Presenter: Dr. Panagiotis Gakis  
Research Advisor: Dr. William Nagy  
Program Director: Dr. Aaron Cho  
Texas A&M University College of Dentistry
4. Adherence of Candida to complete denture surfaces in vitro: A comparison of conventional and CAD/CAM complete dentures  
Presenter: Dr. Lamya A Almejrad  
Mentor: Dr. Afnan Al-Fouzan  
Indiana University School of Dentistry
5. The application of open-source CAD software and additive manufacturing technology in prosthodontics  
Presenter: Dr. Fang-Yu Su  
Mentor: Dr. Wei-Shao Lin  
Indiana University School of Dentistry
6. Fracture resistance and retention load of e.max endocrowns and post/core crowns  
Presenter: Dr. Rohit Mathur  
Mentor: Dr. Rafael Castellon and Dr. Jeffery Thompson  
NOVA Southeastern University
7. Zirconia FPD and lithium disilicate veneers to replace missing lateral and correct midline deviation  
Presenter: Dr. Charikleia Malamou  
Mentor: Dr. Carlo Ercoli  
University of Rochester

8. Dynamic virtual articulation: trueness and precision  
Presenter: Dr. Michael R. Hsu  
Mentor: Dr. Radi Masri  
University of Maryland
9. A convenient method to fabricate photographic contrasters  
Presenter: Dr. Melissa Hunt  
Mentor: Dr. Darshanjit Pannu  
The Dental College of Georgia, Augusta University
10. Fabrication of porcelain veneer provisional restorations: a comparison of techniques  
Presenter: Dr. Mary Elizabeth Machowski  
Mentor: Dr. Darshanjit Pannu  
The Dental College of Georgia, Augusta University
11. Impression techniques of soft tissue adjacent to fixed restorations in the esthetic zone  
Presenter: Dr. Yuan-Lynn Hsieh  
Mentor: Dr. Michael Razzoog  
University of Michigan
12. A novel technique for duplicating the full arch implant supported prosthesis for fabricating the definitive full arch monolithic zirconia prosthesis  
Presenter: Dr. Ayesan Hemati  
Mentor: Dr. Darshanjit Pannu  
The Dental College of Georgia, Augusta University
13. A FEA study to map the stress distribution along the angulated implant  
Presenters: Ms. Juhi Hirpara and Mr. Jai Kolliboyana  
Mentor: Dr. Rui Li  
University at Buffalo
14. Oral rehabilitation of patient with hypodontia using CAD/CAM fabricated long-term interim fixed dental prostheses  
Presenter: Dr. Meenarin Panittaveekul  
Mentor: Dr. John A. Levon and Dr. Kamolophob Phasuk  
Indiana University School of Dentistry
15. Simple anodization to help mask metal 'show through' for mandibular fixed complete dentures  
Presenters: Dr. Amireh Awad and Dr. Mohammed Rawas  
Mentor: Dr. Aaron Cho  
College of Dentistry, Texas A&M University
16. The use of color-modified alginate as a mock-up material for fixed prosthodontics  
Presenter: Dr. James D. Browning, III  
Mentor: Dr. Aaron Cho  
College of Dentistry, Texas A&M University

17. Polarized photography for the purpose of color matching in dentistry  
Presenters: Dr. Stavroula Antonopoulou and Dr. John Buie  
Mentor: Dr. Aaron Cho  
College of Dentistry, Texas A&M University
18. Digital design and rapid prototyping of full-arch implant impression trays  
Presenters: Dr. Christopher Gonzales and Dr. Muna Koro  
Mentor: Dr. Aaron Cho  
College of Dentistry, Texas A&M University
19. CAD-CAM duplicate abutment to minimize cement extrusion  
Presenter: Dr. Jonathan Hawley  
Mentor: Dr. Aaron Cho  
College of Dentistry, Texas A&M University
20. Color stability of 3D printed and conventional provisional restorative materials  
Presenters: Dr. Christina Wang and Dr. Ericka Miller  
Mentor: Dr. Aaron Cho  
College of Dentistry, Texas A&M University
21. Forced eruption for implant site development utilizing a CAD/CAM provisional FPD  
Presenter: Dr. Jie Sun  
Mentor: Dr. Jason Lee  
Harvard School of Dental Medicine
22. Fracture resistance of CAD/CAM fabricated and conventional interim partial fixed dental prosthesis  
Presenters: Mr. Cory Zirkel and Mr. Steven Makowka  
Mentor: Dr. Ramtin Sadid-Zadeh  
University at Buffalo School of Dental Medicine
23. Full mouth rehabilitation in a narrow mandibular ridge patient, using osteodensification technique  
Presenters: Dr. Mohammad M Imani-Emadi, and Dr. Jack Piermatti  
Mentor: Dr. Max Nahon  
Nova Southeastern University
24. 3D Printed interim crowns: a literature review  
Presenters: Mr. Alan Meskin and Ms. Irene Shuman  
Mentor: Dr. Bharat Joshi  
New York University, College of Dentistry
25. Ceramic layered-core for esthetic results of LDS crowns: a case presentation  
Presenter: Dr. Theocharis Nikelli  
Mentor: Dr. Carlo Ercoli  
University of Rochester
26. A Technique for fabricating provisional restorations using nonstick cooking spray as a separating agent  
Presenter: Dr. Raishka Ramirez  
Mentor: Dr. Darshanjit Pannu  
The Dental College of Georgia, Augusta University

27. Replication technique by 3D printing technology for digital denture: a case report  
Presenters: Dr. Jessica Lau and Dr. Yukihiro Takeda  
Mentor: Dr. Hirayama Hiroshi  
Boston University Goldman School of Dental Medicine
28. Immediate digital denture technique with superimposition of a facially driven mock up analysis  
Presenter: Dr. Ali Abdallah  
Mentor: Dr. Hirayama Hiroshi  
Boston University Goldman School of Dental Medicine
29. Prosthodontic restoration in the esthetic zone of the reconstructed cleft lip and palate  
Presenter: Dr. Loren Genetti  
Mentor: Dr. Carlo Ercoli  
University of Rochester
30. Interdisciplinary treatment planning in the digital era: a case report  
Presenter: Dr. Pi-Yu Hsu  
Mentor: Dr. Van Ramos Jr.  
University of Washington
31. Digital smile analysis technique using intraoral optical scanner: workflow and case presentation  
Presenters: Dr. Nima Iranmanesh and Dr. Alexandre Gagne  
Mentor: Dr. Hirayama Hiroshi  
Boston University Goldman School of Dental Medicine
32. Esthetic rehabilitation using fully digital workflow for patient with severe gagging reflex  
Presenters: Dr. Moamen Sheba and Dr. Kyle Bennett  
Mentor: Dr. Tarek El Kerdani  
University of Iowa
33. Restoring function and esthetics using a multidisciplinary approach  
Presenter: Dr. Davide Romeo  
Mentor: Dr. Gabriela Carranza  
University of Rochester
34. What do you mean they don't make those parts anymore?  
Presenter: Dr. Unnur Jensen  
Mentor: Dr. Van Ramos Jr.  
University of Washington
35. CAD-CAM fabrication of interim complete arch fixed implant supported prostheses  
Presenter: Dr. Collin Shuen  
Mentors: Dr. Avinash Bidra and Dr. John Agar  
U Conn School of Dental Medicine
36. Use of a surgical safety checklist for dental implant surgery  
Presenter: Dr. David Peter Remiszewski  
Mentor: Dr. Avinash Bidra  
U Conn School of Dental Medicine

37. Effect of framework-design and firing-cycle on the success rate of bi-layered zirconia-crowns  
Presenter: Dr. Sherif Hosney  
Mentor: Dr. Carlo Ercoli  
University of Rochester
38. Spacer device for assistance during conversion of an immediate implant prosthesis  
Presenter: Dr. Robert Gary Holmes  
Mentor: Dr. Anton Petrich  
Naval Postgraduate Dental School
39. Management of an endodontically accessed lithium disilicate molar restoration  
Presenter: Dr. Gabrielle K. Jung  
Mentor: Dr. Anton Petrich  
Naval Postgraduate Dental School
40. Dynamic 3D navigation for accurate and precise placement of dental implants  
Presenter: Dr. Diewitt Duong  
Mentor: Dr. Anton Petrich  
Naval Postgraduate Dental School
41. A multidisciplinary approach of congenitally missing teeth  
Presenter: Dr. Salah Aldin Rajab  
Mentor: Dr. Chin Chuan Fu  
University of Alabama at Birmingham
42. Facial dimensions as esthetic guide for maxillary anterior teeth width selection  
Presenter: Dr. Amit Prabhakar Chavan  
Mentor: Dr. Damian J. Lee  
The Ohio State University
43. Application of PEEK in prosthodontics  
Presenter: Dr. Nikita Sinha  
Mentor: Dr. Geoffrey A. Thompson  
Marquette University School of Dentistry
44. The use of CAD-CAM technology in the fabrication of single-crown reduction coping  
Presenter: Dr. Francisco X Azpiaz Flores  
Mentor: Dr. Damian J. Lee  
The Ohio State University
45. Provisionals with a reference seating guide  
Presenter: Dr. Mi Young Kim  
Mentor: Dr. Daniel Givan  
University of Alabama at Birmingham
46. Determining the angle correction needed for mal-aligned implants  
Presenter: Dr. Salah Mulla  
Mentor: Dr. Damian J. Lee  
The Ohio State University

47. Impression technique for an apically positioned single implant  
Presenters: Dr. Samela Thais de Paula Lima Pereira and Dr. Vladimir Frias  
Mentor: Dr. Konstantinos Chochlidakis  
University of Rochester
  
48. Torque resistance of impression materials considering coping design, subgingival depth, and type of impression material: in vitro study  
Presenter: Dr. Amir Hossein Nejat  
Mentor: Dr. Laurie Moeller  
Louisiana State University
  
49. 3D printers in dentistry: comparison of printers and resins  
Presenter: Dr. Aneeqa Malik  
Mentor: Dr. Damian J. Lee  
The Ohio State University
  
50. Color evaluation of polymethylmethacrylate with novel coating: in vitro and clinical study  
Presenter: Dr. Laura Koo Min Chee  
Mentor: Dr. Cortino Sukotjo  
University of Illinois at Chicago
  
51. Multidisciplinary treatment of bilateral gemination of permanent maxillary central incisors  
Presenters: Dr. Sweety Shah and Dr. Fengyuan Zheng  
Mentor: Dr. Damian J. Lee  
The Ohio State University
  
52. Developing optimal emergence profiles with customized maxillary healing abutments  
Presenter: Dr. Maryam Gheisarifar  
Mentor: Dr. Geoffrey A. Thompson  
Marquette University School of Dentistry
  
53. Management of long term fixed provisionalization of weak abutments with zirconia copings  
Presenter: Dr. Afaf Khayat  
Mentor: Dr. Hiroshi Hirayama  
Boston University Henry M. Goldman School of Dental Medicine
  
54. Complete Mandibular Implant-Supported Rehabilitation Managed with Staged Guided-Implant Surgery: A Case Report  
Presenters: Dr. Yuko Otsubo and Dr. Yukihiro Takeda  
Mentor: Dr. Hideo Yamamoto  
Boston University Goldman School of Dental Medicine
  
55. Outcomes of implant supported prosthodontic in geriatric patients over 80 years old  
Presenter: Dr. Leila Nikpour  
Mentor: Dr. Max Nahon  
NOVA Southeastern University



56. A new generation of functional diagnostic equipment in 3D digital workflow. A review  
Presenter: Dr. Mohamed Elshewy  
Mentor: Dr. Geoffrey A. Thompson  
Marquette University School of Dentistry
57. Digital approach combining guided alveoloplasty and implant placement for immediately loaded over-denture  
Presenter: Dr. Daniela Rubiano  
Mentor: Dr. Hiroshi Hirayama  
Boston University Goldman School of Dental Medicine
58. From 4-implant bar overdenture to fixed-detachable with different implant systems  
fabricated complete dentures  
Presenter: Dr. David DiPalma  
Mentor: Dr. Konstantinos Chochlidakis  
University of Rochester
59. Complications associated with the socket shield technique: literature review and a case presentation  
Presenter: Dr. Ahmad Majeed-Saidan  
Mentor: Dr. John A. Levon  
Indiana University School of Dentistry
60. A novel technique to manage black triangle between two implants using modified healing abutment  
Presenter: Dr. Nisha Patel  
Mentor: Dr. Geoffrey Thompson  
Marquette University School of Dentistry
61. Utilizing a Hawley appliance to achieve anterior coupling and guidance  
Presenter: Dr. Rami Albahri  
Mentor: Dr. Jessica Hsieh  
Harvard School of Dental Medicine

**THE AMERICAN ACADEMY OF FIXED PROSTHODONTICS  
SIXTY-EIGHTH ANNUAL SCIENTIFIC SESSION  
FRIDAY, FEBRUARY 22, 2019**

**EXPANDING DIMENSIONS IN FIXED PROSTHODONTICS**

- 7:00 a.m. Registration, 7th Floor Foyer  
Continental Breakfast in Exhibit Hall, Salon III
- 8:00 a.m. WELCOME: Dr. Ariel Raigrodski, President  
Introductory Remarks, Drs. Mathew Kattadiyil & Robert Walter, Program Chairs
- Session I Moderators: Dr. Mathew Kattadiyil & Dr. Robert Walter
- 8:15 a.m. Dr. Gerry Chiche  
Esthetic Full-Mouth Rehabilitations
- 9:10 a.m. Dr. Daniel Edelhoff  
Different Types of Zirconia Ceramics and Their Application – From Implant Abutment to Multi-Unit FDPs
- 10:05 a.m. REFRESHMENT BREAK IN THE 7th FLOOR EXHIBIT HALL  
All members, guests and students invited
- 10:55 a.m. Dr. Charles Goodacre  
How to Encourage Incisal Migration of Soft Tissue Around Both Teeth and Implants that are Restored with Single Crowns in the Esthetic Zone
- 11:50- ANNUAL LUNCHEON FOR MEMBERS, GUESTS, AND GRADUATE STUDENTS
- 2:00 p.m. 5th Floor Chicago Ballroom
- Session II Moderator: Dr. Mathew Kattadiyil & Dr. Robert Walter
- 2:00 p.m. Dr. Jamie Lozada  
3D Printing Technology in Surgical Implant Dentistry
- 2:45 p.m. Mr. Naoki Aiba CDT  
DENTSCAPE: Dental Photography for Dentist-Laboratory Communication
- 3:30 p.m. BREAK IN THE 7th FLOOR EXHIBIT HALL  
All members, guests and students invited
- 4:15 p.m. Dr. Jacinthe Paquette  
Precision in Planning / Precision in Care:  
Optimizing Outcomes in Dental Implant Treatment
- 5:00 – ANNUAL MEMBER & GUEST COCKTAIL RECEPTION AND
- 7:00 p.m. ANNUAL POSTER SESSION Chicago Ballroom, 5th Floor  
All members, guests and students invited

**THE AMERICAN ACADEMY OF FIXED PROSTHODONTICS  
SIXTY-EIGHTH ANNUAL SCIENTIFIC SESSION  
SATURDAY, FEBRUARY 23, 2019**

**EXPANDING DIMENSIONS IN FIXED PROSTHODONTICS**

- 7:00 a.m. Registration, 7th Floor Foyer  
Continental Breakfast in Exhibit Hall, Salon III
- Session III Moderators: Dr. Darshanjit Pannu
- 8:00 a.m. Dr. Sonia Leziy  
New Surgical Concepts and Technologies:  
Creating Clear Lines of Communication Between the  
Periodontist and the Restoring Dentist
- 8:55 a.m. Dr. Jim Janakievski  
Autotransplantation of Premolars to Replace Traumatized  
Maxillary Incisors in the Growing Patient.
- 9:50 a.m. REFRESHMENT BREAK IN THE 7th FLOOR EXHIBIT HALL  
All members, guests and students invited
- 10:40 a.m. POSTER AWARDS  
Dr. Carol Lefebvre  
Dr. Ramtin Sadid-Zadeh, Poster Committee Chair
- 10:55 a.m. Dr. Joseph Kan  
Management of Vertical Tissue Defects In the Esthetics Zone:  
Science, Art and Limitations.
- 11:50- LIGHT LUNCHEON
- 1:30 p.m. Food Served in the 7th Floor Exhibit Hall, Salon III  
(Exhibits will close at the start of the afternoon program)
- Session IV Moderator: Dr. Hongseok An
- 1:30 p.m. Dr. Jeff Rouse  
Airway Prosthodontics- An Introduction to the Future of  
Restorative Dentistry
- 2:20 p.m. Dr. Tom Salinas  
Clinical Applications of Porcelain Fused to Metal Restorations:  
The Tried and True Experience for Full Arch and Maxillofacial  
Defects.
- 3:10 p.m. Dr. Sillas Duarte  
Clinical Solutions for Esthetic Adhesive Rehabilitations
- 4:00 p.m. CLOSING REMARKS  
Dr. Ariel Raigrodski, President  
Dr. Mathew Kattadiyil, Program Co-Chair  
Dr. Robert Walter, Program Co-Chair

*For more information about the Academy visit the AAFP Web site:  
[www.fixedprosthodontics.org](http://www.fixedprosthodontics.org)*



## **DR. GERRY CHICHE**

*Esthetic Full-Mouth Rehabilitations*

**Friday, February 22, 2019 | 8:15 a.m.**

### **Synopsis:**

This presentation will outline the management of risk factors in a step-by-step method in order to maximize the long-term success of complete rehabilitations. Ceramics material selection will be discussed according to esthetics rendition, strength properties, and available restorative thickness according to the state of attrition, the severity of the malocclusion and the cause of tooth wear.

### **Learning Objectives:**

- Create a systematic protection strategy for medium and high-risk patients
- Select ceramic materials for optimum esthetics and strength according to the severity of the attrition.
- Use a simplified bonding method for all-ceramic restorations.

### **Curriculum Vitae:**

Dr. Chiche is the Thomas P. Hinman Endowed Chair in Restorative Dentistry, and the Director of the Center for Esthetic & Implant Dentistry at Augusta University, Dental College of Georgia in Augusta, GA. He is a Past President of the American Academy of Esthetic Dentistry and is also the author of two textbooks: *Esthetics of Anterior Fixed Restorations*, and *Smile Design - A guide for Clinician, Ceramist, and Patient* both published by Quintessence Pub. Co. He became in 2009 the first recipient of the Endowed Chair sponsored by the Thomas P. Hinman Dental Society.



## **DR. DANIEL EDELHOFF**

*Different Types of Zirconia Ceramics and their Application – From Implant Abutment to Multi-unit FDPs*

**Friday, February 22, 2019 | 9:10 a.m.**

### **Synopsis:**

Since the introduction of zirconia ceramic into dentistry in the 1990s, indications, and compositions have changed significantly, the increasing number of long-term clinical studies support the confidence into the material in different fields of fixed prosthodontics, from different types of implant abutments to multi-unit FDPs. The lecture will give an overview of different types of zirconia ceramic, its indications, and long-term clinical results, as well as over techniques and technologies available for fabrication.

### **Learning Objectives:**

- To explain the material development and composition of zirconia ceramic types, and how it translates to its clinical usage including results of clinical studies.
- To describe the techniques and technologies available for fabricating zirconia-based restorations with the advent of CAD/CAM technology supports.
- To identify material selection criteria of zirconia ceramic to ensure durable definitive restorations.

### **Curriculum Vitae:**

Daniel Edelhoff is currently the Director and Chair at the Department of Prosthodontics and Dental Material Sciences at the Ludwig-Maximilians-University (LMU) in Munich, Germany. He is a board certified Specialist in Prosthodontics and President of the Association of Dental Technology (ADT), member of the advisory board of the DGPro, Associate Member of the American Academy of Esthetic Dentistry (AAED) and International College of Dentists (ICD). Daniel Edelhoff received three "Best Teacher" awards in 2011, 2012, and 2013 by the dental students and the Bavarian Association of Dentists. Since 2014 he is Active Member of the European Academy of Esthetic Dentistry (EAED), as well as Associate Editor of the multidisciplinary international research journal Clinical Oral Investigations. Since 2016 he has been the President of the German Association of Dental Technology (ADT).



## **DR. CHARLES GOODACRE**

*How to Encourage Incisal Migration of Soft Tissue Around Both Teeth and Implants that are Restored with Single Crowns in the Esthetic Zone*

**Friday, February 22, 2019 | 10:55 a.m.**

### **Synopsis:**

Achieving optimal soft tissue esthetics requires coalescence of cervical contour, surface smoothness, and marginal fit. This presentation will show how these factors can be united to produce incisal migration of soft tissue around single crowns on natural teeth as well as single implants and thereby improve esthetically challenging soft tissue relationships.

### **Learning Objectives:**

- Show how to create crown contours that facilitate incisal migration of the soft tissue around natural tooth crowns and crowns placed on dental implants.
- Design crowns that help resolve abnormal gingival responses around natural teeth and enhance the esthetics of implant crowns.
- Summarize the synergistic benefits of uniting cervical contour, marginal fit, and surface smoothness.

### **Curriculum Vitae:**

Dr. Goodacre is a Diplomate and Past-President of the American Board of Prosthodontics, Past-President of the American College of Prosthodontists, and Past President of the Academy of Prosthodontics. He is a member of the FOR Board of Directors (Foundation for Oral Rehabilitation) and Chairs the FOR Education Council. He currently holds the title of Distinguished Professor and teaches in the Advanced Education Program in Prosthodontics at Loma Linda University and maintains a prosthodontic practice.



**ANNUAL  
ACADEMY  
LUNCHEON**  
*CHICAGO BALLROOM  
5th Floor*

**Friday, February 22, 2019 | 11:50 p.m.**

**2019 STANLEY D. TYLMAN RESEARCH AWARDS\***

**DR. HAI ZHANG, CHAIR, TYLMAN RESEARCH COMMITTEE**

**FIRST PLACE AWARD**

**DR. RYAN MIZUMOTO**

*THE OHIO STATE UNIVERSITY*

*PROGRAM DIRECTOR: DR. DAMIAN LEE*

*RESEARCH ADVISOR: DR. BURAK YILMAZ*

**SECOND PLACE AWARD**

**DR. ADEL AL MAAZ**

*MARQUETTE UNIVERSITY*

*PROGRAM DIRECTOR AND RESEARCH ADVISOR:*

*DR. GEOFFREY THOMPSON*

**THIRD PLACE AWARD**

**DR. PANAGIOTIS GAKIS**

*TEXAS A&M UNIVERSITY*

*PROGRAM DIRECTOR: DR. WILLIAM NAGY*

*RESEARCH ADVISOR: DR. AARON CHO*

**CLAUDE R. BAKER FACULTY AWARD**

*DR. RICARDO SCHWEDHELM, CHAIR BAKER AWARD COMMITTEE*

**DR. HESHAM NOUH**

*2019 RECIPIENT*

**GEORGE H. MOULTON AWARD OUTSTANDING ACHIEVEMENT IN THE  
ART AND SCIENCE OF FIXED PROSTHODONTICS**

*DR. MARTIN LAND, CHAIR, GEORGE H. MOULTON AWARD COMMITTEE*

**DR. JANE BREWER**

*2019 RECIPIENT*

**HONORARY MEMBER PRESENTATION**

**MR. ALLEN STEINBOCK**

*INTRODUCED BY DR. RONALD WOODY*

**PRESENTATION OF NEW AAFP MEMBERS**

**DR. KEN CHEN, CHAIR, CREDENTIALS COMMITTEE**

*\*We wish to acknowledge the generous support of the Editorial Council of the Journal  
of Prosthetic Dentistry for the Tylman Research Program.*



## **DR. JAMIE LOZADA**

*3D Printing Technology in Surgical Implant Dentistry*

**Friday, February 22, 2019 | 2:00 p.m.**

### **Synopsis:**

3D Printing applications are proving to be valuable in the planning and execution of Surgical Implant Dentistry. This presentation will outline the benefits of such technology during multiple applications in implant surgery such as precise implant placement and augmentation procedures. More recently the gained experience with 3D bio-printing to create a custom resorbable scaffolds for bone augmentation procedures will also be presented.

### **Learning Objectives:**

- To give a detailed outline of the digital workflow for 3D printing applications in surgical implant dentistry
- To demonstrate clinical benefits of planning and execution of 3D printed technology in surgical implant dentistry
- To illustrate the potential benefits of bio-printing in the treatment of osseous defects prior to the placement of dental implants.

### **Curriculum Vitae:**

Dr. Lozada is professor and director of the Advanced Education Program in Implant Dentistry at Loma Linda University, School of Dentistry where he also received his Certificate in Implant Dentistry (87) and Prosthodontics (95). He is a Diplomate of the American Board of Implant Dentistry, past president of the American Academy of Implant Dentistry, member of the Editorial Board of the Journal of Oral Implantology and a member of the American Board of Dental Specialties.





## **MR. NAOKI AIBA**

*DENTSCAPE: Dental Photography for Dentist-Laboratory Communication*

**Friday, February 22, 2019 | 2:45 p.m.**

### **Synopsis:**

Dental photography can be used as a means of communication between the dentist and the technician. Ideally, the technician who is going to fabricate the restoration should see the patient and make the appropriate shade selection. However, the great majority of restorations are fabricated by offsite technicians who do not have access to the patients. Photography provides a means to bridge the “gap” between the patient and the technician regarding shade and surface character.

In this presentation, award-winning professional photographer and ceramist, Naoki Aiba, CDT will address what dentists and technicians need to know about photography for shade communication. Clinical cases will be presented to illustrate practical applications.

### **Learning Objectives:**

- Describe the method of photographing Shade View photos and their use for shade analysis and virtual blueprints.
- Illustrate the Photo Protocol by case design.
- Describe the workflow of custom white balance and color profiling for shade assessment.

### **Curriculum Vitae:**

A ceramist and professional photographer, Naoki Aiba graduated from the Dental Technology Program at the Aichi Gakuin University in Nagoya, Japan, in 1982, and completed the post-graduate ceramics course at the Tokai Dental Technicians School in 1986. He received the “Young Speaker of the Year Award” by the ISDC in 1989, and selected to be a member of Oral Design in 1992. He has lectured in more than 30 countries. Currently serves as a member of the editorial board for QDT. He maintains his laboratory, Science Art in Monterey, California, and offers DENTSCAPE Continuum at his teaching facility, Oral Design Center Monterey.



## **DR. JACINTHE PAQUETTE**

*Precision in Planning / Precision in Care:  
Optimizing Outcomes in Dental Implant  
Treatment*

**Friday, February 22, 2019 | 4:15 p.m.**

### **Synopsis:**

Prosthodontists, restorative dentists, and surgeons have the ability to take a more active role in the pretreatment surgical planning decisions of the dental implant patient. A combined understanding of restorative principles and surgical guidelines can best manage the requirement for restorative material support and loading capacity of planned implants. This is aided by the use of CBCT diagnosis and planning in concert with the continued evolution in implant designs. This presentation will highlight how a strong collaborative team approach optimizes clinical performance of new esthetic CAD/CAM materials used in the treatment of the Implant, rehabilitation patient.

### **Learning Objectives:**

- Recognize esthetic objectives in the treatment of the partially edentulous implant patient
- Review options in restorative materials and prosthetic design in implant treatment planning
- Outline strategies in CBCT diagnosis and planning for the rehabilitative patient

### **Curriculum Vitae:**

Dr. Jacinthe M. Paquette maintains a private prosthodontic practice in Newport Beach, California and is recognized nationally and internationally as a leader and educator in Esthetic Dentistry, Prosthodontics, and Implant Dentistry. She is a Diplomate of the American Board of Prosthodontics and a Fellow of the American College of Prosthodontists. Dr. Paquette is the President of the American Academy of Esthetic Dentistry and is Past President of the Pacific Coast Society for Prosthodontics. She has served on the Editorial Council for the Journal of Prosthetic Dentistry since 2008. She is also a member of the American Academy of Restorative Dentistry and the Academy of Osseointegration. Dr. Paquette has authored numerous research and clinical articles on her areas of expertise and co-authored several textbook chapters. She is Co-Executive Director of the Newport Coast Oral Facial Institute, a non-profit international teaching facility for dentists and dental technicians located in Newport Beach, California.



## **DR. SONIA LEZIY**

*New Surgical Concepts and Technologies:  
Creating Clear Lines of Communication  
Between the Periodontist and the Restoring  
Dentist*

**Saturday, February 23, 2019 | 8:00 a.m.**

### **Synopsis:**

Diversification in implant dentistry pivots around the digital workflow. It is profoundly influencing communication between surgical, restorative and technical team members. This presentation will explore digital processes including optical scanning, along with new bone and soft tissue grafting materials and concepts, and surgical protocol changes that are improving outcomes and diminishing complications. These key concepts are shaping the periodontal practice of the future, offering time and cost-effective solutions and more accurate paths to achieving the desired outcome.

### **Learning Objectives:**

- A look at how the digital work-flow is successfully implemented into busy surgical practices - 'Face-in design.'
- Guiding gingival tissues in the 'immediate implant' protocol
- Why customized healing abutments may produce better tissue outcomes over stock healing abutments and even provisional restorations
- How bone graft material handling has been improved through new protocols
- The dermal ARC protocol: the effect of an apical flap approach in gingival augmentation for teeth and implants using new and simple instrumentation

### **Curriculum Vitae:**

Dr. Sonia Leziy received her dental degree from McGill University in 1989 and subsequently completed a general practice residency program at the Jewish General Hospital in Montreal. Her post-graduate degree in periodontics was completed at the University of British Columbia in 1993.



## **DR. JIM JANAKIEVSKI**

*Autotransplantation of Premolars to Replace Traumatized Maxillary Incisors in the Growing Patient.*

**Saturday, February 23, 2019 | 8:55 a.m.**

### **Synopsis:**

Options to replace missing or ankylosed teeth in the anterior maxilla are limited for growing patients. Treatment is usually aimed at developing the ridge for future implant placement. Autotransplantation of a premolar to the incisor site offers permanent tooth replacement using a natural tooth to achieve an optimal aesthetic & functional outcome. This presentation will review the surgical, orthodontic and restorative considerations for autotransplantation.

### **Learning Objectives:**

- The appropriate time to plan for tooth autotransplantation
- Surgical considerations for an optimal outcome
- Restoration of a transplanted premolar to mimic a central incisor

### **Curriculum Vitae:**

Jim Janakievski received his D.D.S. from the University of Toronto, which was followed by a general practice residency. After several years in general practice, he completed his postgraduate training at the University of Washington, where he received a certificate in Periodontology with an M.S.D. degree and a fellowship in Prosthodontics. He continues to teach as an Affiliate Assistant Professor in the Department of Periodontology and has been invited to present at national and international conferences. Dr. Janakievski is a Diplomate of the American Board of Periodontology, and a member of the American Academy of Periodontology and the American Academy of Esthetic Dentistry. He is a reviewer for several dental journals and has published in the area of interdisciplinary dentistry, dental implants, and tooth autotransplantation. In addition, Dr. Janakievski participates in practice-based clinical research through the McGuire Institute. He maintains a private practice in Tacoma, Washington.



## **DR. JOSEPH KAN**

*Management of Vertical Tissue Defects In the Esthetics Zone: Science, Art and Limitations.*

**Saturday, February 23, 2019 | 10:55 a.m.**

### **Synopsis:**

Regenerating tissue for implant esthetics in the presence of vertical defects is challenging. While it is possible to regenerate bone vertically, unfortunately, the critical final few millimeters where the gingiva meets the prosthesis often do not emulate natural gingival architecture. This often means the difference between esthetic looking restorations verses long crowns without papillae or crowns with prosthetic artificial gingiva.

This presentation will focus on current esthetic tissue regeneration methods and concepts for partially edentulous vertical defects in the esthetic zone.

### **Learning Objectives:**

- Diagnosis and Treatment planning for multiple failing or missing teeth replacement in the esthetic zone
- Identify prognostic variables for predictable vertical esthetic grafting in the esthetic zone
- Understand limitations of vertical grafting and techniques to work around this limitation

### **Curriculum Vitae:**

Dr. Kan completed Prosthodontics and Implant Surgery from Loma Linda University School of Dentistry, He is a Professor and maintains a private practice.



## **DR. JEFF ROUSE**

*Airway Prosthodontics- An Introduction to the Future of Restorative Dentistry*

**Saturday, February 23, 2019 | 1:30 p.m.**

### **Synopsis:**

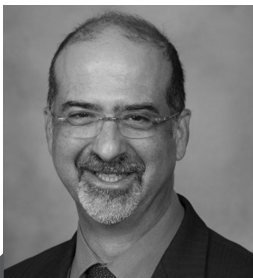
This unique presentation will focus on preventing disease rather than restoring morphology. Restoration of the teeth rarely fixes the core cause of the problem. A growing body of research is beginning to link nocturnal airway issues in adults and children to tooth wear, myofascial pain, craniofacial deficits, periodontal disease, and malocclusion. This evidence-based course will provide clinicians with the foundation to differentiate between the categories of sleep-disordered breathing and diagnose the variations from oral signs and symptoms. The goal is to prevent rather than maintain a damaged system. Therefore, pediatric evaluation and intervention will play a major role in the day. Dr. Rouse will conclude with a distinctive Seattle Protocol that allows the patient to assist in the creation of a plan of resolution for their breathing issues.

### **Learning Objectives:**

- Understand that breathing disorders are much more than apnea
- Develop a strategy to screen patients in a restorative practice
- Create an autonomic nervous system trial to direct the practitioner in developing an interdisciplinary health and dental plan

### **Curriculum Vitae:**

Jeffrey S. Rouse, D.D.S. maintains a private practice in San Antonio, Texas, and practices with Drs. Gregg Kinzer and Frank Spear in Seattle, Washington. He is also an Adjunct Assistant Professor in the Department of Prosthodontics at the University of Texas Health Science Center at San Antonio and a Resident Faculty member at the Spear Education Center in Scottsdale, Arizona.



## **DR. TOM SALINAS**

*Clinical Applications of Porcelain Fused to Metal Restorations: The Tried and True Experience for Full Arch and Maxillofacial Defects.*

**Saturday, February 23, 2019 | 2:20 p.m.**

### **Synopsis:**

The problem posed of surgical and prosthetic reconstruction of complex tooth/arch and maxillofacial defects has undergone an evolution over the last three decades.

Concurrent technology capabilities have increased the scope of this unique application such that preoperative planning has afforded less operative time and fewer sequential procedures to traverse traditional healthcare barriers.

As much as surgical intervention has evolved, prosthetic material selection has likewise changed by some materials becoming readily produced. This presentation will compare advantages of traditional and newer materials for extended applications in complex implant reconstruction.

### **Learning Objectives:**

- To gain understanding of the complex biomechanic needs of patients with full arch or maxillofacial defects
- To describe the techniques and technologies available for imaging and design of full arch and maxillofacial defects
- To discuss the indications and limitations of porcelain fused to metal restorations

### **Curriculum Vitae:**

Thomas Salinas is Professor of Dentistry at the Mayo Clinic, where his time is dedicated to the rehabilitation of patients with complex care needs. A native of New Orleans, Louisiana, he received prosthodontic training at Louisiana State University Health Science Center and a maxillofacial prosthetic fellowship from MD Anderson Cancer Center. He serves as program director for Advanced Prosthodontics Education. He has authored over 75 publications related to prosthodontics and interdisciplinary care. His research interests are biomaterial behavior and clinical outcome studies.



## **DR. SILLAS DUARTE**

*Clinical Solutions for Esthetic Adhesive  
Rehabilitations*

**Saturday, February 23, 2019 | 3:10 p.m.**

### **Synopsis:**

Novel adhesive techniques and bonded restorations are able to provide patients, clinicians, and dental technicians with treatment alternatives that until recently would require invasive approaches and sacrifice of pristine dental structure. Through microscopical interaction between biomaterials and dental structure, highly esthetic and long-lasting clinical solutions can be attained while simultaneously preserving the integrity of the enamel and dentin. As newer adhesive materials and technologies are introduced at a very fast pace, it is essential that clinicians become familiar with adhesive technology indications and limitations to provide the best restorative strategy for each individual patient. This presentation provides a systematic and scientific approach for selecting esthetic treatment modalities using adhesive techniques and CAD/CAM materials based on original research data with special emphasis on minimally invasive adhesive techniques for materials design and selection.

### **Learning Objectives:**

- Understand how to establish a stable adhesive interface
- Choose appropriate adhesive strategy for different clinical situations
- Understand the advantages and limitations of current in-office CAD/CAM materials

### **Curriculum Vitae:**

Dr. Duarte is Associate Professor and Chairman, Division of Restorative Sciences, Herman Ostrow School of Dentistry of the University of Southern California. Dr. Duarte is also Director of the Advanced Program in Operative and Adhesive Dentistry, Herman Ostrow School of Dentistry of University of Southern California and he is the editor-in-chief of Quintessence of Dental Technology (QDT). Dr. Duarte serves on the editorial boards of other journals and has lectured and published nationally and internationally on esthetic dentistry and adhesion. He has been involved in teaching cutting-edge clinical techniques and technologies related to esthetic and adhesive dentistry. Dr. Duarte's scientific work has been supported by governmental and commercial grants, and he serves as a consultant for several manufacturers. His researches focus on bonding to dental structures, composites, and ceramics: International College of Prosthodontists, and other organizations.





## **DR. RADEK MOUNAJJED**

*Minimal Invasive Preparation. What Makes the Difference?*

### **RESERVE SPEAKER**

#### **Synopsis:**

The author will present a series of steps and tips during a minimally invasive preparation approach. Starting from preparation, retraction, impression, and trial evaluation to fixation and recall. The presentation is based on personal experience supported by evidence-based dentistry. Special attention will be given to using dental microscopes and esthetic aspects of ceramic material behavior when used in thin thickness.

#### **Learning Objectives:**

- Learn safe and minimal intervention of hard tissues
- Recognize outcomes of treatment regarding material selection
- Understand how the thickness of ceramic materials affect the aesthetic outcome

#### **Curriculum Vitae:**

Dr. Radek Mounajjed DDS, Ph.D. graduated from Damascus University School of Dentistry in 1994. He then completed his residency in general dentistry in 1997, prosthodontics dentistry in 2000, and received his Ph.D. in 2004; all from Charles University Medical School Hradec Králové. Since 2001, he has been working at the multi-disciplinary D.C.M clinic in Hradec Králové as a full-time prosthodontist. Since 2012 he has been an external teacher at Olomouc University. Dr. Mounajjed is the author of many publications and book chapters. He has presented more than 150 talks, both nationally and internationally. Dr. Mounajjed is the co-founder of HDVI, one of the accredited dental continuing education centers in the Czech Republic. He is also a fellow of the Academy of Prosthodontics in USA and ICP. Outside of dentistry he enjoys building and flying RC model airplanes.



## **DR. NADIM Z. BABA**

*The Restoration of Non-Vital Teeth:  
Update on Structural Characteristics and  
Treatment Considerations*

### **RESERVE SPEAKER**

#### **Synopsis:**

How best to restore an endodontically treated tooth is a question that prosthodontists often face. It begins with an evaluation of the feasibility and practicality of root canal therapy on a given tooth. The desired outcome depends on successful endodontic and restorative procedures and good interaction between the two components. Our understanding of the causes of failure has improved recently; research has changed our views on some old principles while consolidating others. Clinical success depends on our ability to employ innovative approaches using new materials and techniques. This presentation will review selected clinically relevant research on the restoration of endodontically treated teeth along with various factors that can enhance the prognosis of pulpless teeth.

#### **Learning Objectives:**

- Understand the current concepts for the restoration of endodontically treated teeth
- Review the latest evidence reported in the literature regarding the laboratory and clinical test results of nonmetallic prefabricated posts
- Discuss the key principles that affect tooth and restoration survival
- Provide an overview of Glass-fiber reinforced epoxy resin posts available in Prosthodontics

#### **Curriculum Vitae:**

Dr. Baba received his DMD degree from the University of Montreal and completed a Certificate in Advanced Graduate Studies in Prosthodontics and a Master's degree in Restorative Sciences in Prosthodontics from Boston University School of Dentistry in 1999. Dr. Baba serves as a Professor in the Advanced Education program in Prosthodontics at Loma Linda University School of Dentistry and maintains a part-time private practice in Glendale, CA. He is currently the President of the American College of Prosthodontists and an active member of various professional organizations. He is a Diplomate of the American Board of Prosthodontics, a Fellow of the American College of Prosthodontists and the Academy of Prosthodontics.

He is the author of numerous publications and has recently published a book entitled "Restoration of Endodontically treated teeth: evidence-based diagnosis and treatment Planning" and has lectured nationally and internationally.

*Please join in the excellence of Fixed Prosthodontics at the  
2020 Annual Scientific Session of the  
American Academy of Fixed Prosthodontics*

PRESIDENT DR. STAN VERMILYEA  
FEBRUARY 22 AND 23, 2020

**"Hindsight is 2020 - What Have We Learned about Problems,  
Complications and Survival of Restorations"**

ODED BAHAT

*"The 4th Dimension of Implant Reconstruction"*

AVINASH S BIDRA

*"Full Arch Fixed Implant-Supported Prosthesis- Lessons Learnt from Scientific  
Evidence and from Absence of Evidence"*

VASILIOS CHRONOPOULOS

*"Hindsight is 2020 - What have We Learned About the Predictability of  
Treatment Planning in Complex Restorations"*

LYNDON COOPER

*"The Patient/Biomaterial Interface; What Side are We On?"*

CARL J. DRAGO

*"Yesterday, Today and Tomorrow: Adventures in Implant Prosthodontics"*

MAURO FRADEANI

*"A 30-year Experience with Esthetic Rehabilitation:  
The Evolution of Clinical Approach and Techniques"*

RONALD E. JUNG

*"Decision Making in Implant Prosthetics - What have we Learned from Wrong  
Decisions and Complications?"*

MARTIN LAND & STEPHEN ROSENSTIEL

*"Dentists' Molar Restoration Choices and Longevity:  
What's Changed in the Last 15 Years?"*

BACH T. LE

*"Implant Failures and Re-treatments: What have we learned?"*

DAN NATHANSON

*"Corrective Esthetics - Communication, Diagnosis and Materials Selection"*

MICHAEL RAGAN

*"Managing Risk in Clinical Prosthodontics"*

MATT ROBERTS

*"Aesthetics in the Digital Age"*

DENNIS TARNOW

*"Interdisciplinary Management of Esthetically Compromised Cases"*

RESERVE SPEAKERS

STEVE MORGANO

*"Post-and-core Restorations: Myth vs Reality"*

NADIM BABA

*"Latest Advancement in Technology for In-office CAD Restorations"*

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