THE AMERICAN ACADEMY
OF FIXED PROSTHODONTICS

EXPANDING
DIMENSIONS IN
FIXED PROSTHODONTICS

68th ANNUAL SCIENTIFIC SESSION
Friday, February 22, 2019
Saturday, February 23, 2019

CHICAGO MARRIOTT DOWNTOWN
7TH FLOOR BALLROOMS I, II, III
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 instructions, nor does it imply acceptance of credit hours by boards of dentistry.

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TENTATIVE 2020 MEETING DATE
February 21-22, 2020
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
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
* Robert P. Dressel .......... 1954
* E. David Shooshan ......... 1955
* Earl Allen Nelson .......... 1956
* L. Walter Brown, Jr. ....... 1957
* George H. Moulton .......... 1958
* Francis B. Vedder .......... 1959
* Stanley D. Tylman .......... 1960
* William H. Hagen .......... 1961
* Everett Carl Brooks ......... 1962
* Ernest B. Nuttall .......... 1963
* Fred Norman Bazola .......... 1964
* John D. Adams .......... 1965
* Robert Conley Zeisz ......... 1966
* Willis Edward Corry .......... 1967
* Joseph E. Ewing .......... 1968
* E. Edward Kraus .......... 1969
* Raymond M. Contino .......... 1970
* Douglas H. Yock .......... 1971
* Philip Williams .......... 1972
* Douglas M. Lyon .......... 1973
* Kenneth A. Morrison .......... 1974
* Robert Sheldon Stein .......... 1975
* John M. Schlick .......... 1976
* Charles L. Ziegler .......... 1976
* Charles J. King .......... 1977
* Samuel E. Guyer .......... 1978
* Roland W. Dykema .......... 1979
* Wade H. Hagerman, Jr. .... 1980
* Lloyd L. Miller .......... 1982
* John H. Emmert .......... 1983
* Alfred C. Macaluso .......... 1984
* Ernest B. Mingledorff .......... 1985

Herbert Ptack .......... 1986
* Ralph A. Yuodelis .......... 1987
* William D. Culpepper .......... 1988
Ronald G. Granger .......... 1989
Maurice H. Martel .......... 1990
Ronald D. Woody .......... 1991
Albert J. Kazis .......... 1992
* William L. Nequette .......... 1993
Dale L. Timberlake .......... 1994
Jesse T. Bullard .......... 1995
Harvey L. Colman .......... 1996
Gerald J. Ziebert .......... 1997
Denny M. Smith .......... 1999
Davis A. Garlapo .......... 2000
Stephen D. Campbell .......... 2001
Richard R. Cavanaugh .......... 2002
John T. Goodman .......... 2003
William W. Nagy .......... 2004
Peter S. Lund .......... 2005
H. Philip Pierpont .......... 2006
Jane D. Brewer .......... 2007
Martin F. Land .......... 2008
John R. Agar .......... 2009
Kent L. Knoernschild .......... 2010
Stephen F. Rosenstiel .......... 2011
J. Robert Kelly .......... 2012
Carl F. Driscoll .......... 2013
Julie A. Holloway .......... 2014
Jack Lipkin .......... 2015
Steven Morgano .......... 2016
Gerald Santulli .......... 2017
David Burns .......... 2018
Ariel Raigrodski .......... 2019

* Deceased
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
President
Ariel J. Raigrodski
Aesthetic Restorative & Implant DENTISTRY NORTHWEST
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Lynnwood, WA 98036
Phone: 425-771-2022
Email: drraigrodski@ARIdentistrynorthwest.com

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Phone: 614-899-2573
Email: svermily@columbus.rr.com

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6 North, Office #6253 Baltimore, MD 21201
Phone: 410-706-7047
Email: rmasri@umaryland.edu

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P.O. Box 980566 Richmond, VA 23298-0566
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Email: drburns@vcu.edu

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Phone: 614-761-1927
Email: aafpsec@gmail.com

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Fax: 866-890-5657
Email: dbpaaafp@gmail.com
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Phone: (716) 662-7229 | E-mail: jenkdds93@yahoo.com

Sarit Kaplan
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Phone: (301) 493-9500 | E-mail: sarkaplandmd@gmail.com

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Pomona, CA 91766
Phone: (909) 706-3957 | E-mail: jywom@westernu.edu

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Phone: (585) 383-1360 | Email: carlo_ercoli@urmc.rochester.edu

Aaron Kim
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6 Prairie Oaks Cove
Winnipeg, MB R3K 0V6 Canada
Phone: (204) 789-3581 | Email: aaron.kim@umanitoba.ca

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108 Scoville Road
Avon, CT 06001
Phone: (860) 673-5755 | Email: raghavendra.sangeetha@gmail.com
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Vanessa Swain 2020, Secretary
Kelly Miller 2019
John Boyle 2020
Elena Nazarova 2022

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Darshanjit Pannu

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Robert Walter 2019
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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Jesse Bullard 2020
Steve Brousseau 2019
Paul Kudyba 2020
Geoffrey Thompson 2020

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Avinash Bidra 2020, Chair
David Burns ex-officio
Stan Vermilyea ex-officio
Radi Masri ex-officio
Elena Nazarova 2019
David Donatelli 2021
POSTER PROGRAM COMMITTEE
Ramtin Sadid-Zadeh 2022, Chair
Lillian Mitchell 2019
Ricardo Schwedhelm 2020

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Hai Zhang 2024, Chair
Ghadeer Thalji, 2019
Geoff Thompson, 2019
Radi Masri 2020
Hongseok An 2023
Ken Chen 2023
Yang Bin 2024
Patchannee Rungruanganunt 2024

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David Burns 2021, Chair
Gerry Santulli 2020
Steven Morgano 2019
Stan Vermilyea 2019
Radi Masri, 2019

ARCHIVAL COMMITTEE
John Townsend 2020, Chair
Ron Woody 2022
Martin Land ad hoc
Stephen Rosenstiel Ex-Officio

BYLAWS COMMITTEE
Martin Land, Parliamentarian and Chair
Gerry Santulli, Consultant

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Duane Douglas 2020, Chair
Karen Bruggers 2019
Ariel Raigrodski, President-Elect, Ex Officio
Stan Vermilyea, Vice-President, Ex Officio
Douglas Phillips, Treasurer, Ex Officio
CONTINUING DENTAL EDUCATION COMPLIANCE COMMITTEE

Nadim Baba 2019, Chair
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

CLAUSE 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
**Committee A**
Darshanjit Pannu, 2020 Chair
Hongseok An 2020
Robert Walter 2020

**Committee B**
Hai Zhang 2019 Chair
Van Ramos 2019
Manuel Bratos 2019

STANDING PRESIDENTIAL APPOINTMENTS 2018-2019
**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
<table>
<thead>
<tr>
<th>Year</th>
<th>Winner</th>
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<tr>
<td>1979</td>
<td>James N. Ciesco</td>
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<tr>
<td>1980</td>
<td>Boris Schwartzman</td>
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<td>1981</td>
<td>Timothy O. Hart</td>
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<td>1983</td>
<td>David Alan Chance</td>
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<td>1984</td>
<td>Jeffrey L. Hudgins</td>
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<td>1985</td>
<td>George W. Kay</td>
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<td>1986</td>
<td>Anthony J. G. Dickinson</td>
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<td>1987</td>
<td>Izchak Bartzilay</td>
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<td>1988</td>
<td>Susan E. Brackett</td>
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<td>Shane N. White</td>
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<td>Louis Menegotto</td>
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<td>Kevin H. O’Boyle</td>
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<td>Daniel Domagala</td>
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<td>Monica Parekh</td>
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<td>Matthew Anderson</td>
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<td>Aurora Dibner</td>
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<td>Diane Vo</td>
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<td>William Wahle</td>
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<td>2018</td>
<td>Michele Buda</td>
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*Date listed is date awarded – award adjudicated in the preceding year

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

PREVIOUS BAKER AWARD RECIPIENTS

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

PREVIOUS GARVER-STAFFANOU PROSTHODONTIC RESIDENCY EDUCATOR AWARD RECIPIENTS

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

HONORARY MEMBERS

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

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

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<td>*130-131</td>
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<td>Quintessence Publishing Co., Inc.</td>
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<td>starMed Technik</td>
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<td>Straumann USA</td>
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<td>Zimmer Biomet</td>
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*Sponsors*
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. Afman 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 Azpiazu 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
   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
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
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
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.
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).
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.
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 Tyman Research Program.
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

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 illustrated 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.
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.
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.

Saturday, February 23, 2019 | 8:00 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.
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.
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.
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.
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.
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.
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.
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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 FRADAENI
“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”