THE AMERICAN ACADEMY OF FIXED PROSTHODONTICS

NAVIGATING NEW FRONTIERS IN PROSTHODONTICS

66TH ANNUAL SCIENTIFIC SESSION
Friday, February 24, 2017
Saturday, February 25, 2017

CHICAGO MARRIOTT DOWNTOWN
7TH FLOOR BALLROOMS I, II, III
TENTATIVE 2018 MEETING
February 23-24, 2018

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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AAFP is a Recognized National Sponsor by FAGD/MAGD #214895
AAFP is an approved not-for-profit organization registered in the state of Illinois: #23-7348704
12.5 hours credit for this course
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
* Robert D. Jeronimus.............1981
* 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
* Richard D. Wilson.............1998
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

* Deceased
It is my distinct pleasure and honor as your President to welcome all of our members, guests, meeting sponsors and exhibitors to the 66th annual Scientific Session of the American Academy of Fixed Prosthodontics. This is by far the best national meeting with regards to Fixed Prosthodontics. It has to be. Why else would we all be here in blustery Chicago in the middle of February instead of some warm sunny venue?

Dr. David Burns, our Program Chair, has assembled a terrific group of speakers under the theme of “Navigating New Frontiers in Prosthodontics.” Our specialty is once again undergoing exciting and radical changes with regards to digital dentistry much as we did thirty years ago with the advent of implants. I sincerely hope that our scientific session will not only inspire you but also provide you and your patients with the tangible and relevant information that will enable you to attain clinical excellence and the highest levels of quality care. I also hope you take the opportunity during our meeting to make new friends, to reacquaint yourselves with old friends and colleagues and to visit our exhibitors.

This great meeting does not just “happen” on its own. A lot of work and effort goes on behind the scenes to make the Fixed Academy meeting a success year after year. I would be remiss in not recognizing all of our officers and committee members who give selflessly in that regard. I’d like to specifically thank our stalwarts Steve Rosenstiel, our Academy Secretary, Rick Jordan our Treasurer/Secretary for Guests and Radi Masri our Webmaster who also serves as a Director. I’d also like to give a special shout out to Igor Pesun our Meeting Director and Judy Yuan and her Local Arrangements committee who do so much to make our meeting run smoothly.

Finally, I owe a great many thanks to my fixed Academy mentors. We all have had mentors in our careers. They inspire, motivate and help us attain success. Dr. Martin Land and the late Tom Barco have been instrumental in guiding me throughout my time in the Academy. Tom was one of my residency instructors. He introduced me to the AAFP, encouraged and instilled in me a passion for clinical excellence and a love of the Prosthodontic literature. Martin is a valued friend and has guided me in Academy duties and has instilled in me a respect for the legacy of the Academy.

I hope you all enjoy the meeting and your time in Chicago.

Gerry Santulli
President
OFFICERS AND DIRECTORS 2016-2017
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AMERICAN ACADEMY OF FIXED PROSTHODONTICS

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Email: aafpsec@gmail.com

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DIRECTORS 2017

Sarita Arteaga  
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School of Dental Medicine 
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555 Willard Avenue, Newington, CT 06111 
Phone: 860-673-5755 | Email: raghavendra.sangeetha@gmail.com

DIRECTORS 2018

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Phone: 319-337-7017 | E-Mail: jtdjrdmd@gmail.com

Damian Lee  
The Ohio State University College of Dentistry 
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Phone: 614-292-2013 | E-Mail: lee.6221@osu.edu

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Orchard Park, NY 14127 
Phone: (716) 662-7229 | E-Mail: jenkdds93@yahoo.com

Sarit Kaplan  
10215 Fernwood Road, Suite 601 
Bethesda, Maryland 20817 
Phone: 301-493-9500 | E-Mail: kaplandmd@comcast.net
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Department of Endodontics, Prosthodontics and Operative Dentistry
650 W. Baltimore St., 6 North, Office #6253, Baltimore, MD 21201
Phone: 410-706-7047 | Email: rmasri@umaryland.edu

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Aaron Kim 2017
Servando (Van) Ramos 2018
Kelly Miller 2020

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Avi Bidra 2018
Sangeetha Raghavendra 2018
Mathew Kattadiyil 2019

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Anna Manzotti 2018
James Ywon AV Consultant, ad hoc

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Arthur Rodriguez 2018
Jane Brewer 2020
Steve Brousseau 2020

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Dave Burns 2018
Bharat Joshi, 2018
Elena Nazarova 2019
David Donatelli 2021
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Ricardo Schwedhelm 2020
Ramtin Sadid-Zadeh 2022

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Marianella Sierraalta 2019
Peter Barndt 2018
Ghadeer Thalji 2019
Geoff Thompson 2019
Radi Masri 2020

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Jack Lipkin 2018
Julie Holloway 2017
David Burns 2017
Ariel Raigrodski 2017

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John Townsend 2020
Martin Land, ad hoc
Stephen Rosenstiel Ex-Officio

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Martin Land, Chair
Gerry Santulli, ad hoc

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Karen Bruggers 2020
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Rick Jordan, Treasurer, Ex Officio

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Nadim Baba 2018
Anton Petrich 2020
Stephen Rosenstiel, Ex Officio
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Alvin Wee 2021, Chair and Newsletter Editor
Aaron Kim 2018
Art Rodriguez 2018
Steve Rosenstiel, Ex Officio
Silvia Amaya Pajares, Academy Photographer

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John Van der Creek 2018
Craig Neitzke 2020

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Vanessa Swain 2017
Art Rodriguez 2017
Peter Barndt 2020

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Garima Talwar 2017
Caroline Nguyen 2022
Joanna Kempler ad hoc

COMMITTEE FOR THE GARVER-STAFFANOU PROSTHODONTIC RESIDENCY EDUCATOR AWARD
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John Agar 2018
Carl Driscoll 2018
Curt Werking 2020

EXHIBITS COMMITTEE
Jack Marincel 2020, Chair
Darshanjit Pannu 2017
Ramtin Sadid-Zadeh 2019
Steve Raney, ad hoc

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Committee A:
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Geoffrey Thompson 2019
Elias Kontogiorgos 2019
Kevin Plummer, Ex Officio

Committee B:
Fahad Al-Harbi 2017, Chair
Matthew Kattadiyil 2017
Alejandro Peregrina 2017
Darshanjit Pannu, 2017
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J. Robert Kelly, Chair
Shereen Azer
Alejandro Peregrina
Jack Lipkin

AD HOC COMMITTEE FOR DENTAL LABORATORY TECHNICIAN SUPPORT
Peter Lund
Sarah Johnson

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PARLIAMENTARIAN
Martin Land

SECRETARY FOR GUESTS
Richard Jordan

MEETING DIRECTOR
Igor Pesun

CHAPLAINS
Earl Stover
Sarita Arteaga

ACP PROSTHODONTIC FORUM REPRESENTATIVES
Gerry Santulli
David Burns, Alternate
<table>
<thead>
<tr>
<th>Year</th>
<th>Winner</th>
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<td>1979</td>
<td>James N. Ciesco</td>
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<td>Reza Heshmati</td>
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<td>1980</td>
<td>Boris Schwartzman</td>
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<td>1981</td>
<td>Timothy O. Hart</td>
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<td>Luis Keys</td>
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<td>1983</td>
<td>David Alan Chance</td>
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<td>Vanessa Swain</td>
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<td>Jeffrey L. Hudgins</td>
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<td>Philip Tan</td>
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<td>Kelly Copps Wood</td>
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<td>1987</td>
<td>Izchak Bartzilay</td>
<td>2008</td>
<td>Keith L. Guzaitis</td>
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<td>1988</td>
<td>Susan E. Brackett</td>
<td>2009</td>
<td>Islam Khasawneh</td>
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<td>1989</td>
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<td>2010</td>
<td>Daniel Domagala</td>
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<td>Shane N. White</td>
<td>2011</td>
<td>Seok-Hwan Cho</td>
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<td>1991</td>
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<td>2012</td>
<td>Monica Parekh</td>
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<td>1992</td>
<td>Not awarded</td>
<td>2013</td>
<td>Matthew Anderson</td>
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<td>Louis Menegotto</td>
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<td>Matilda Dhima</td>
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<td>1994</td>
<td>Syed Faheem Rasool</td>
<td>2015</td>
<td>Aurora Dibner</td>
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<td>1995</td>
<td>Fonda G. Robinson</td>
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<td>Diane Vo</td>
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<td>Paula K. Yliheikkila</td>
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<td>Kevin H. O’Boyle</td>
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<td>1998</td>
<td>David G. Gratton</td>
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<td>1999</td>
<td>Douglas E. Ford</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 RECEPIENTS

1999: Alvin Wee 2000: Lloyd L. Miller
2003: Alvin Wee 2004: Ariel Raigrodski
2009: Nadim Baba 2010: Mijin Choi
2012: Jesse T. Bullard 2013: Stephen F. Rosenstiel
2015: John R. Agar 2016: Carl Driscoll

PREVIOUS BAKER AWARD RECEPIENTS

2003: Maurice H. Martel 2004: Ronald D. Woody
2005: Charles J. Goodacre 2006: Kenneth Malament
2009: Alvin Wee 2010: Lloyd L. Miller
2011: Lillian M. Mitchell 2012: Judy C-C Yuan
2013: Not Awarded 2014: Alexander Bendayan
2015: Matthew Palermo 2016: Fatemeh Afshari

PREVIOUS GARVER-STAFFANOU PROSTHODONTIC RESIDENCY EDUCATOR AWARD RECEPIENTS

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

HONORARY MEMBERS

1958: Ralph W. Malone 1959: George M. Hollenback
ANNUAL MEMBERS FELLOWSHIP

Members Annual Business Meeting
with Pizza and Drinks

THURSDAY, FEBRUARY 23, 2017

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

6:15 - 6:45 PM  Members Town Hall Meeting  
4th Floor, Marriott Ballroom

Attendance at these events is restricted to Academy Members.

Past Presidents and New Members Breakfast

SATURDAY, February 25, 2017

7:00 AM,  
Lincolnshire Room  
Salon I & II (6th Floor)

New Members, Past Presidents, Officers, Directors only please.
2017 PROGRAM CHAIR

Dr. David Burns

2018 PROGRAM CO-CHAIRS

Dr. Avidash Bidra & Dr. Sangeetha Raghavendra

2016 PROGRAM CO-CHAIRS

Dr. Carlo Ercoli & Dr. Nadim Baba
Dr. Jack Marincel, Chair Exhibits Committee

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

<table>
<thead>
<tr>
<th>Company</th>
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<td>Asahi Refining USA, Inc.</td>
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<td>BioHorizons</td>
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<td>Dentsply Sirona Implants*</td>
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<td>Garfield Refining Co.</td>
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<td>GC America</td>
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<td>Henry Schein Dental</td>
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<td>Ivoclar Vivadent*</td>
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<td>Nobel Biocare*</td>
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<td>Whip Mix Corporation</td>
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<td>Zimmer Biomet*</td>
<td>124-125</td>
</tr>
</tbody>
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*Sponsors
1. Tylman Award First Place Winner: Radiographic evaluation of all ceramic crown margins
   Presenter: Dr. William Wahle
   Mentor: Dr. Carl Driscoll
   University of Maryland
   Max.wahle@gmail.com

2. Tylman Award Second Place winner: Effect of hydrothermal degradation on properties of highly translucent zirconias
   Presenter: Dr. Amand Putra
   Mentors: Dr. Kwok-Hung Chung & Dr. Ariel Raigrodski
   University of Washington
   Armandputra17@gmail.com

3. Tylman Award Third Place Winner: In vitro intraoral mouth opening and retraction comparison of photogrammetric and conventional complete-arch implant impression technique
   Presenter: Dr. Manuel Bratos
   Mentor: Dr. JE Rubenstein & Dr. JA Sorensen
   University of Washington
   bratosm@uw.edu

4. A multidisciplinary approach to the rehabilitation of a patient with amelogenesis imperfecta
   Presenter: Dr. Watcharapong Aroonsang
   Mentor: Dr. Keith Kinderknecht
   University of Alabama
   aroonsw@uab.edu

5. An alternative method for treating prosthetic biomechanical failure
   Presenter: Dr. Dan Lin
   Mentor: Dr. Winston Chu
   University of Southern California
   Idan@usc.edu

6. A review of the applications and use of scan bodies in implant dentistry
   Presenter: Dr. Ryan M. Mizumoto
   Mentor: Dr. Damian Lee
   The Ohio State University
   Mizumoto.1@buckeyemail.osu.edu
7. Linear accuracy of indexed dies  
   Presenter: Dr. Patrick E. McCurdy  
   Mentor: Dr. Anton Petrich  
   Naval Dental School, Bethesda, Maryland  
   Patrick.e.mccurdy4.mil@mail.mil

8. Accuracy of 3D printed models  
   Presenter: Dr. Ezra I. Merritt  
   Mentor: Dr. Anton Petrich  
   Naval Dental School, Bethesda, Maryland  
   Emerritt06@gmail.com

9. Examining inter-operator precision of digital impressions using the CEREC omnicam  
   Presenter: Dr. Douglas A. Porr  
   Mentor: Dr. Anton Petrich  
   Naval Dental School, Bethesda, Maryland  
   Doug.porr@gmail.com

10. Simple technique for removal of titanium connection sleeve wedged onto an implant  
    Presenter: Dr. Faris Jamjoom  
    Mentor: Dr. Damian Lee  
    The Ohio State University  
    Jamjoom.1@osu.edu

11. An innovative CAD-CAM application in the provisional restoration of amelogenesis imperfecta patients  
    Presenter: Dr. Rory Boyd  
    Mentor: Dr. Michael O’Sullivan  
    Trinity College Dublin, Ireland  
    Rory.boyd@dental.tcd.ie

12. Methodology to fabricate a CAD/CAM crown on a virtual articulator incorporating the mastication movement  
    Presenters: Dr. Kazuhiro Umehara & Dr. Toru Sato  
    Umehara Dental Office, Tokyo Dental College, Japan  
    Ume1@cocoa.ocn.ne.jp | torusato@tdc.ac.jp

13. A novel method to master the crown wax up technique by projection mapping application  
    Presenters: Dr. Mamoru Yotsuka | Dr. Kazuhiro Umehara  
    Umehara Dental Office, Tokyo Dental College, Japan  
    yotsuyam@tdc.ac.jp & ume1@cocoa.ocn.ne.jp

14. The management and treatment of a mandibulectomy defect: A case report  
    Presenter: Dr. R. Kyle Gazdeck  
    Mentor: Dr. Anna Manzotti  
    The University of Illinois at Chicago  
    Rgazde2@uic.edu
15. Utilizing digital treatment planning and guided implant surgery to restore fully edentulous arches: A clinical case report  
Presenters: Dr. Haidar Alalawi & Dr. Nael Eid  
Mentor: Dr. Hiroshi Hirayama  
Boston University  
halalawi@bu.edu | naeid@bu.edu

16. Utilizing digital treatment planning and guided implant surgery to restore fully edentulous arches: A clinical case report  
Presenters: Dr. Nael Eid & Dr. Anhar Basunbull  
Mentor: Dr. Alexander Bendayan  
Boston University  
naeid@bu.edu | anharbas@bu.edu

17. Third generation monolithic zirconia restorations for fixed prosthodontics  
Presenter: Dr. Carlos Alberto Jurado  
Mentor: Dr. Daniel A. Givan  
University of Alabama  
carlosju@uab.edu

18. Digital manufacture of consecutive virtual ceramic veneers: A clinical report  
Presenter: Dr. Firas Mourad  
Mentor: Dr. Daniel A. Givan  
University of Alabama  
Firios80@hotmail.com | drmourad@uab.edu

19. Predictable digital approach for complete edentulous patient: Immediate loading of full arch prosthesis  
Presenter: Dr. Saad Saleh AlResayes  
Mentor: Dr. Kent Knoernschild  
University of Illinois in Chicago  
sresayes@uic.edu.sa

20. Utilizing zygoma and pterygoid implants in full mouth rehabilitation: Improved hybrid prosthesis  
Presenter: Dr. Bahaa Alshawaf  
Mentor: Dr. Khaled Elrafie  
Tufts University  
Bahaa.alshawaf@tufts.edu

21. Esthetic analysis of lip support and overcoming the challenge of “split philtrum” in restoring an edentulous maxilla  
Presenter: Dr. Hamed Alenezi  
Mentor: Dr. Panos Papaspyridakos  
Tufts University  
Hamed.alenezi@tufts.edu
22. Digital workflow for a non-invasive prosthodontic treatment for adolescents with ectodermal dysplasia
   Presenter: Dr. Edmond A. Bedrossian
   Mentor: Dr. Van Ramos
   University of Washington
   Edmon1@uw.edu

23. Single maxillary complete denture: A case report
   Presenter: Dr. Seung Kee Choi
   Mentor: Dr. Carl Driscoll
   University of Maryland
   schoi@umaryland.edu

24. Use of existing implants for retention of a non-restrictive surgical guide
   Presenter: Dr. Andrey Doroshenko
   Mentor: Dr. Carl Driscoll
   University of Maryland
   Andrey.d@umaryland.edu

25. Interdisciplinary management of a patient with multiple congenitally missing teeth: Digital workflow & treatment
   Presenter: Dr. Michele Buda
   Mentor: Dr. Hai Zhang
   University of Washington
   budam@uw.edu

26. Clinical workflow of digitally designed metal restorations
   Presenter: Dr. Leah Romay
   Mentor: Dr. Carl Driscoll
   University of Maryland
   Leah.romay@umaryland.edu

27. CAD/CAM polymethyl methacrylate long-term provisional onlays in facilitating interdisciplinary case
   Presenter: Dr. Chin Chun Peng
   Mentor: Dr. Hai Zhang
   University of Washington
   jeanpeng@uw.edu

28. Digital workflow of a FPM crown to an implant crown
   Presenter: Dr. Navpreet Khatra
   Mentor: Dr. Carl Driscoll
   University of Maryland
   Navi.khatra@gmail.com

29. Complete digital workflow in an interdisciplinary case report of a terminal dentition
   Presenter: Dr. Konstantina Angelara
   Mentor: Dr. Yen-Wei Chen
   University of Washington
   angelara@uw.edu
30. Dental hypersensitivity case series  
Presenter: Dr. Geoffrey Johnston  
Mentor: Dr. Damian Lee  
The Ohio State University  
Johnston.523@osu.edu

31. Cost analysis of digital impressions vs. conventional impressions for single unit crowns  
Presenter: Dr. Aneeqa Malik  
Mentor: Dr. Damian Lee  
The Ohio State University  
Anneqa.malik@gmail.com

32. Prosthodontic rehabilitation for an existing transmandibular implant system  
Presenter: Dr. Naser B. Alawadhi  
Mentor: Dr. John Levon  
Indiana University  
nabalawa@iupui.edu

33. Direct technique of denture conversion for immediate implant loading in the edentulous mandible: Case report  
Presenters: Dr. Sami Almohefer & Dr. Yasmin Alzayer  
Mentor: Dr. John Levon  
Indiana University  
Sami_8812@hotmail.com

34. Full mouth rehabilitation for severely worn dentition with restored vertical dimension utilizing dental implant and computer-guided surgery: A clinical report  
Presenter: Dr. Peerapat Kaweewongprasert  
Mentor: Dr. John Levon  
Indiana University  
pkaweewo@iupui.edu

35. Computer-guided implant planning for partial edentulous maxillae: Case report  
Presenter: Dr. Ya-Ting Yu  
Boston University  
Mentor: Dr. Hiroshi Hirayama  
Dentist0209@gmail.com

36. Tooth structure removal associated with various preparations for esthetic full coverage restoration  
Presenters: Dr. Adrian Farsaii & Dr. Athena Goodarzi  
Mentor: Dr. Ramtin Sadid-Zadeh  
University of Buffalo  
adrianfa@buffalo.edu | athenago@buffalo.edu
37. Differences between conventionally and CAD/CAM fabricated complete removable dental prostheses – objective & subjective analysis
   Presenters: Dr. Christopher Coffey & Dr. Krystle Kendall
   Mentor: Dr. Kent Knoernschild & Dr. Anna Manzotti
   University of Illinois
   Ccoffee6@uic.edu | kkenda3@uic.edu

38. Prosthetically driven surgical planning with guided implant placement in the posterior mandible
   Presenters: Dr. Yuko Otsubo & Dr. Po-Hsu Chen
   Mentor: Dr. Alexander Bendayan
   Boston University
   yukoo@bu.edu | bogyrok@bu.edu

39. Guided surgery for immediate implant placement in the esthetic zone replacing ankylosed teeth
   Presenter: Dr. Walter E. Odisho & Dr. Nicolas Brombal
   Mentor: Dr. Hiroshi Hirayama
   Boston University
   wodisho@bu.edu

40. Management of immediate implant placement and loading in the esthetic zone
    Presenters: Dr. Justine Oliveros & Dr. Peixi Liao
    Mentors: Dr. Gurkan Goktug and Dr. Hiroshi Hirayama
    Boston University
    jos@bu.edu

41. Altered implant cast technique
    Presenter: Dr. Edward Chaoho Chien
    Mentors: Dr. Mohammad Hossein Dashti and Dr. Hideo Yamamoto and Dr. Arthur Sun
    Boston University
    echchien@bu.edu

42. A method to restore a worn dentition using digital workflow
    Presenter: Dr. Anthony Alexander
    Mentor: Dr. Ramtin Sadid-Zadeh
    University of Buffalo
    asalexan@buffalo.edu

43. Maxillary removable complete denture prosthesis fabricated with CAD/CAM workflow: A case report
    Presenters: Dr. Maram AlGhamdi & Dr. Dania EL Azzouni
    Mentors: Dr. Hiroshi Hirayama & Dr. Sun Arthur & Dr. Alexander Bendayan
    Boston University
    maramg@bu.edu | dazzouni@bu.edu
44. Utilizing digital treatment planning and guided implant surgery to restore fully edentulous arches: A clinical case report
    Presenters: Dr. Asmaa Bukhari & Dr. Waleed Hafi
    Mentor: Hiroshi Hirayama
    Boston University
    asmaab@bu.edu | Whafiz@bu.edu

45. Sequential loss of teeth: Case report converting individual implant restorations to an ISFDP
    Presenters: Dr. Druthi Belur & Dr. Christopher Gonzales
    Mentor: Dr. William Nagy
    Texas A&M University
    dbelur@tamhsc.edu

46. The effect of firing on marginal fit of heat-pressed lithium disilicate veneers
    Presenters: Dr. Panagiotis Gakis & Dr. Prokopios Antonellis & Dr. Kimberly R. Dennis
    Mentor: Dr. William Nagy
    Texas A&M University
    sawiliams@tamhsc.edu | mrawas@tamhsc.edu

47. Marginal fit of lithium Disilicate crowns using three different fabrication techniques
    Presenters: Dr. Steven Williams & Dr. Mohammed Rawas
    Mentor: Dr. William Nagy
    Texas A&M University
    sawiliams@tamhsc.edu | mrawas@tamhsc.edu

48. Dental photography: How lighting affects your photos and how photos affect your practice
    Presenters: Dr. Brian Aguirre & Dr. Stephanie Zeller & Dr. John Buie
    Mentor: Dr. William Nagy
    Texas A&M University
    Bca410@gmail.com | StephanieKZeller@gmail.com | john.m.buie@gmail.com

49. Digital solution for fabricating an interim complete arch fixed implant supported interim prosthesis
    Presenter: Dr. Mitchell Persenaire
    Mentor: Dr. Avinash Bidra
    University of Connecticut
    persenaire@uchc.edu

50. Predictability in treating the exacting patient
    Presenter: Dr. Kerin M Jamison
    Mentor: Dr. Cynthia Aita-Holmes
    US Army Fort Gordon GA
    Kerin.m.jamison.mil@mail.mil

51. An alternative method of retrofitting existing crown after endodontic treatment
    Presenters: Dr. Ken Jenn-Hwan Chen & Dr. James Nai-Bang Lin
    Texas A&M University & Kaohsiung Chang Gung Memorial Hospital
    jhchen@bcd.tamhsc.edu | asdftw@gmail.com
52. Retracting from the cord way  
Presenter: Ms. Loren N. Genetti  
Mentor: Dr. Josheph B. Breitman  
Temple University  
Loren.genetti@gmail.com

53. Design considerations for screw access channel with screw-retained implant restoration: SAC classification  
Presenters: Dr. Abdulrahman Taleb & Dr. Abdulaziz Alzaid  
Mentor: Dr. Mathew Kattadiyil  
Loma Linda University  
ataleb@llu.edu | aalzaid@llu.edu

54. Diagnostic classification and design considerations for implant-supported fixed partial dentures: The ABC/PBC classifications  
Presenters: Dr. Sarah Bukhari & Dr. AbdulAziz Alhelal  
Mentor: Dr. Mathew Kattadiyil  
Loma Linda University  
sbukhari@llu.edu | aalhelal@llu.edu

55. Polyetheretherketone – A new material in prosthetic dentistry  
Presenter: Dr. Maryam Gheisarifar  
Mentor: Dr. Geoffrey Thompson  
Marquette University  
Maryam.gheisarifar@marquette.edu

56. Post-treatment splinting method for zirconia crowns  
Presenter: Dr. Amelia L. Orta  
Mentor: Dr. Philip S. Baker  
Augusta University  
acaptain@augusta.edu

57. Fabricating Implant fixed complete denture utilizing selective laser melting technology  
Presenter: Dr. Ali Ramadhan  
Mentor: Dr. Geoffrey Thompson  
Ali.ramadhan@marquette.edu

58. Comparing workflows for CAD-CAM monolothic vs hand crafted layered veneers.  
Presenters: Dr. Rudy Vega & Dr. Marko Tadros  
Mentor: Dr. Philip Baker  
Augusta University  
RUVEGA@augusta.edu

59. Comparison of marginal and internal discrepancies of zirconia crowns with different digital impression methods  
Presenters: Dr. Hay-Won Cho & Dr. Sung-Sook Kim  
Mentor: Dr. Ji-Myung Bae  
Wonkwang University, Iksan, Korea  
hwcho@wkku.ac.kr | sugarage79@naver.com
60. Digital and analog workflow for predictable full mouth reconstruction and implants  
   Presenter: Dr. Randold Binns  
   Mentor: Dr. Aristóteles Marinis  
   Program Director: Dr. Kent Knoernschild  
   University of Illinois  
   rbinns@uic.edu

61. A method of locating the abutment screw access channel with a 3D printed drilling guide  
   Presenter: Dr. Waleed Nasir Asiri  
   Mentor: Dr. Geoffrey Thompson  
   Marquette University  
   Waleed.asiri@marquette.edu

62. Fabrication of a 3D printed crown-lengthening guide  
   Presenters: Dr. Bryan Lara & Dr. Marko Tadros  
   Mentor: Dr. Philip Baker  
   Augusta University  
   blara@augusta.edu | mtadros@augusta.edu

63. A predictable, controlled approach to immediate implant-supported fixed full-arch prostheses  
   Presenter: Dr. Stuart Schelkopf  
   Mentor: Dr. Kent Knoernschild  
   University of Illinois  
   Sschelk2@gmail.com
NAVIGATING NEW FRONTIERS IN PROSTHODONTICS

7:00 a.m.  Registration, 7th Floor Foyer
            Continental Breakfast in Exhibit Hall, Salon III

8:00 a.m.  WELCOME: Dr. Gerry Santulli, President
            Introductory Remarks, Dr. David Burns, Program Chair
            AAFP European Meeting, Dr. Jack Lipkin

Session I  Moderators: Dr. Charles Goodacre and Dr. Carl Driscoll

8:10 a.m.  Dr. Lyndon Cooper
            The Impact of Technology on the Prosthodontic Frontier

9:00 a.m.  Dr. Irena Sailer
            Fixed Prosthodontics in the Era of CAD/CAM –
            Are Conventional Restorations Outdated?

9:45 a.m.  REFRESHMENT BREAK IN THE 7th FLOOR EXHIBIT HALL
            All members, guests and students invited

10:30 a.m. Dr. Peter Wohrle
            Integrated Treatment Flow: Treatment Planning and Execution
            for Improved Prosthetic Outcome

11:15 a.m. Panel Discussion with Moderator; Drs. Cooper, Sailer, Wohrle

12:00-  ANNUAL LUNCHEON FOR MEMBERS, GUESTS,
            AND STUDENTS
            5th Floor Chicago Ballroom

Session II  Moderator: Dr. David Burns

2:00 p.m.  Dr. Stephen Chu
            Prosthodontic Strategies for Maintaining Soft Tissue
            Esthetics Around Single Tooth Implants Placed into Extraction
            Sockets in the Esthetic Zone

2:45 p.m.  Dr. Eric Van Dooren
            New Opportunities for Enhancement in the Esthetic Zone

3:30-  REFRESHMENT BREAK IN THE 7th FLOOR EXHIBIT HALL
            All members, guests and students invited

4:15 p.m.  Dr. Matthias Kern
            Bonding Capacity of Luting Agents to Alloys and Ceramics in
            Adhesive Prosthodontics

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
NAVIGATING NEW FRONTIERS IN PROSTHODONTICS

7:00 a.m. Registration, 7th Floor Foyer
Continental Breakfast in Exhibit Hall, Salon III

Session III  Moderator: Dr. Sarita Arteaga

8:00 a.m. Dr. Dennis Tarnow
Immediate vs. Delayed Socket Placement. Where Are We Today?

8:45 a.m. Dr. Wael Att
Three-Dimensional Engineering in Dentofacial Rehabilitation

9:30 a.m. REFRESHMENT BREAK IN THE 7th FLOOR EXHIBIT HALL
All members, guests and students invited

10:15 a.m. POSTER AWARDS
Dr. Carol Lefebvre
Dr. Sarit Kaplan, Poster Committee Chair

10:30 p.m. Dr. Martijn Moolenaar
Managing the Three-Dimensional Tissue Profile Around Implants in the Esthetic Zone

11:15 p.m. Dr. B. Ellen Byrne
Pharmacology Update: The Ten Most Prescribed Drugs Your Patients are Taking

12:00- 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. Billie Sue Kyger

1:30 p.m. Dr. Leonardo Bacherini
The Prosthetic Rehabilitation: Tradition vs. Innovation

2:15 p.m. Dr. Michael Ragan
Navigating New Exposures in Prosthodontics

3:15 p.m. Dr. Gerald Grant
The Digital Dental Thread: Where are We Going With This?

4:00 p.m. CLOSING REMARKS
Dr. Gerry Santulli, President
Dr. David Burns, Program Chair

For more information about the Academy visit the AAFP Web site:
www.fixedprosthodontics.org
Synopsis:
Technology comes in many forms and prosthodontics has been changed by hardware, software, materials, and emerging datasets. Our decisions, techniques, and outcomes are changing with these technologies. This presentation will illustrate how these technologies alter the delivery of prosthodontic care. Our future likely depends on our ability to better estimate or predict the future of our own therapies. We will explore our proximal future and investigate factors that will influence the balance of diagnostic-based versus outcome-based practice.

Objectives:
• Understand the forces acting in dentistry that will alter prosthodontics.
• Be able to identify key biologic and technical factors that influence therapeutic outcomes.
• Identify current strategies that influence factors that affect outcomes.
• Appreciate how integrating advancing technologies in practice and education may alter the discipline and specialty of prosthodontics.

Curriculum Vitae:
Dr. Lyndon Cooper D.D.S., Ph.D. is the Associate Dean for Research and Head of the Department of Oral Biology at University of Illinois School of Dentistry, Chicago. He previously served as Stallings Distinguished Professor of Dentistry and Director of Graduate Prosthodontics at the University of North Carolina at Chapel Hill. Dr. Cooper is a Diplomate of the American Board of Prosthodontics and served as the 2010 President of the American College of Prosthodontists. He presently serves as the Chair of the American College of Prosthodontists Education Foundation. He received the ACP’s 2004 Clinician/Researcher Award and the IADR’s 2009 Distinguished Scientist Award for Prosthodontics and Implantology. Dr. Cooper’s Bone Biology and Implant Therapy Laboratory focuses on bone biology, adult stem cell bone regeneration, and clinical evaluation of dental implant therapies. Their research findings have been presented in over 150 publications and numerous national and international presentations. These efforts integrate basic and clinical research to improve patient care.
DR. IRENA SAILER
Fixed Prosthodontics in the Era of CAD/CAM
– Are Conventional Restorations Outdated?

Synopsis:
Digital impressions and computer-aided manufacturing of restorations steadily gain in importance within restorative dentistry. Irrespective of the fact that digital impressions have been introduced to dentistry more than 30 years ago with the development of the Cerec CAD/CAM system, their application in daily clinical practice was not very frequent – until recently. Today, a high number of intraoral scanners and associated CAD/CAM procedures are available.
One of the factors raising the attractiveness of computerized procedures is the high variety of new restorative materials that were introduced for the computerized manufacturing.
High-strength ceramics, lithium-disilicate glass-ceramics or non-precious alloys are already well established as restorative materials. New hybrid materials like e.g. nano-ceramics even promise to be long-lasting, highly esthetic and less costly. They can be used in the monolithic stage and processed chairside in the dental practice. An increase in the application of these monolithic tooth – and/or implant- borne restorations can be observed in daily clinical practice. Still, the literature on their outcomes is very scarce.
The lecture will critically evaluate the possibilities that the new technologies offer to the practitioner, and will highlight whether or not they are unlimited.

Objectives:
• Identify differences between digital impression systems.
• Compare CAD/CAM with conventional fabrication processes.
• Compare all-ceramic, metal-ceramic, and hybrid materials.
• Discuss outcomes of clinical studies.

Curriculum Vitae:
Irena Sailer received her dental education and Dr. med. dent. degree from the Faculty of Medicine, University of Tübingen, Germany in 1997/1998. In 2003 Dr. Sailer received an Assistant Professorship at the Clinic of Fixed and Removable Prosthodontics and Dental Material Sciences in Zurich. From 2010 on she was an Associate Professor at the same institute. In 2007 Dr. Sailer was a Visiting Scholar at the Department of Biomaterials and Biomimetics, Dental College, New York University, USA. Additionally, since 2009 she holds an Adjunct Associate Professorship at the Department of Preventive and Restorative Sciences, Robert Schattner Center, School of Dental Medicine, University of Pennsylvania. Philadelphia, USA.
Irena Sailer is a Specialist for Prosthodontics (Swiss Society for Reconstructive Dentistry) and holds a specialization degree for Dental Implantology (WBA) of the Swiss Society for Dentistry.
Since September 2013 she has been the Head of the Division of Fixed Prosthodontics and Biomaterials at the University of Geneva.
Synopsis:
As newer treatment concepts such as CT-assisted diagnosis, minimally invasive surgery, guided surgery and immediate restorations advance, the outcome of treatment has become more predictable. These new approaches allow for a significantly reduced treatment complexity, facilitate the overall process, and deliver the prosthetic restoration in an expedient and cost-effective manner. Furthermore, these new techniques enhance the patient experience and provide the necessary information for proper evaluation and critical decisions.

Objectives:
• Discuss how digital data acquisition and planning can help establish the potential outcome as well as limits of any proposed treatment.
• Understand the various entry- and exit points of the digital workflow based on their preference and availability of digital equipment.
• Apply a materials selection algorithm to select the most appropriate dental materials for the various indications.

Curriculum Vitae:
Dr. Peter Wöhrle received his DMD cum laude and Master of Medical Sciences in Oral Biology from Harvard University. Additionally, he completed an advanced education program in Prosthodontics and an advanced education program in Implant Dentistry at Harvard, and a four-year certified dental technician program in Switzerland.

While at Harvard, he worked with his mentor, Dr. Paul Schnitman, on the groundbreaking concept of immediate loading with endosseous implants. Once in private practice, Dr. Wöhrle applied these principles to the concept of immediate tooth replacement in the esthetic zone. Currently, he is actively involved in optimizing the digital workflow as it relates to Implant Dentistry.
ANNUAL ACADEMY LUNCHEON
CHICAGO BALLROOM
5th Floor

Friday, February 24, 2017 | 12:00 p.m.

2017 STANLEY D. TYLMAN RESEARCH AWARDS*
Dr. Fei Liu, Chair, Tylman Research Committee

FIRST PLACE AWARD
Dr. William Maxwell Wahle
University of Maryland
Program Director: Dr. Carl Driscoll
Research Advisor: Dr. Radi Masri

SECOND PLACE AWARD
Dr. Armand Putra
University of Washington
Program Director: Dr. Hai Zhang
Research Advisor: Dr. Kwok-Hung Chung and Dr. Ariel Raigrodski

THIRD PLACE AWARD
Dr. Bratos Manuel
University of Washington
Program Director: Dr. Hai Zhang
Research Advisor: Dr. Jeffrey Rubenstein

GARVER-STAFFANOU PROSTHODONTIC PROGRAM
DIRECTOR’S AWARD FOR EXCELLENCE
Dr. William Nagy, Chair, Garver-Staffanou Award Committee

Dr. Steven Aquilino
2017 Recipient

CLAUDE R. BAKER FACULTY AWARD
Dr. Caroline Nguyen, Chair Baker Award Committee

Dr. Aaron (Seok Hwan) Cho
2017 Recipient

GEORGE H. MOULTON AWARD OUTSTANDING ACHIEVEMENT IN THE ART AND
SCIENCE OF FIXED PROSTHODONTICS
Dr. Jane Brewer, Chair, George H. Moulton Award Committee

Dr. Martin Land
2017 Recipient

PRESENTATION OF NEW AAFP MEMBERS
Dr. Avinash Bidra, 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.
Synopsis:
Implant dentistry is continuously evolving, offering new and more predictable forms of therapy with minimally invasive protocols. Innovative techniques now allow for better esthetics, decreased treatment times, and greater patient comfort. However, these new techniques and therapies continue to raise questions and concerns regarding the risk and rewards of each. Specifically, controversial issues regarding immediate post-extraction socket implant placement in relationship to survival and esthetic outcomes. Immediate provisional restoration of immediate implants placed into healed (delayed) or augmented sites will be presented. In addition, this lecture will address current concepts [i.e. platform switching], techniques, clinical research, histologic evidence, and innovations in immediate implant placement and provisional restoration and how they can enhance treatment procedures, time, and clinical outcomes for greater patient comfort, care, and satisfaction.

Objectives:
• Discuss the esthetic impact on peri-implant soft tissue thickness.
• Consider the biologic impact of provisional materials.
• Evaluate innovative techniques in provisional restoration fabrication.

Curriculum Vitae:
Stephen J. Chu maintains an academic appointment in the Ashman Department of Periodontology and Implant Dentistry at New York University College of Dentistry as an Adjunct Clinical Professor. He also has a private practice in fixed prosthodontics, esthetic, and implant dentistry in New York City. Dr. Chu has published extensively in the dental literature and has given lectures nationally and internationally on the subjects of esthetic, restorative, and implant dentistry. Dr. Chu is on the editorial review board of several peer-reviewed dental journals. He is the recipient of the Peter Scharer distinguished lecturer award from the European Academy of Esthetic Dentistry.
Synopsis:
The esthetic implant rehabilitation of patients with esthetically and functionally compromised dentition frequently involves a multidisciplinary approach. The achieving of esthetic objectives in multidisciplinary cases represents a considerable clinical challenge.

During recent years, treatment modalities and options have changed. From a surgical point of view, less invasive procedures are used in order to preserve soft tissue anatomy and minimize recession. Also, the design of implants and prosthetic components has changed in order to minimize bone resorption and soft tissue alterations. This lecture will focus on a new surgical and prosthetic approach in difficult esthetic implant rehabilitations.

Objectives:
• Understanding the importance of the implant geometry.
• Understanding the biology of the transmucosal components.
• Understanding the abutment design and materials.
• Understanding prosthetic soft tissue recontouring.

Curriculum Vitae:
Dr. Eric Van Dooren attended the Katholieke Universiteit Leuven, Belgium, where he received his degree in dentistry in 1982. After graduating, he opened a private practice in Antwerp, Belgium, which is limited to periodontics, fixed prosthodontics, and implants.

Currently, Dr. Van Dooren is a Visiting Professor at University of Liege (Belgium) and University of Marseille. He is an active member of the European Academy of Esthetic Dentistry.

Dr. Van Dooren lectures nationally and internationally, mainly on aesthetics, implants, and aesthetic periodontal surgery.
Synopsis:
Adhesive bonding methods changed the world of restorative dentistry in allowing minimal and highly esthetic invasive restorations. This lecture summarizes the bonding methods available today when bonding metal or all-ceramic restorations. Every bonding method consists of at least three basic steps: 1. Cleaning the bonding surface, 2. surface roughening and increasing the wettability, and 3. creating a chemical bond via adhesive monomers. In addition, clinical applications and promising results with resin-bonded, minimally-invasive restorations will be presented.

Objectives:
- Learn how to bond to metals successfully.
- Learn how to bond to all-ceramics successfully.
- Learn how to use resin-bonded attachments for removable dental prostheses.
- Understand why cantilevered RBFDPs with a single retainer are superior to two-retainer RBFDPs.

Curriculum Vitae:
Synopsis:
Immediate placements of implants into extraction sockets is an exciting treatment alternative for our patients. However, there are many potential short and particularly long-term risks for which the practitioner must be fully aware. This presentation will focus on the potential problems and benefits, both clinically and biologically, when the choice of immediate socket placement is made for single and multiple sites.

Objectives:
• Identify what type of healing takes place against the implant in immediate socket placement.
• Know how to minimize recession with immediate provisionalization.
• Know the proper crown contour for immediate provisional restorations.
• Know if the gap distance really matters.
• Know if primary closure should be attempted or should it be left open.
• Know if membranes should be utilized.
• Know what type of graft material, if any, should be utilized.
• Identify the potential short and long-term risks involved with immediate placement of implants.

Curriculum Vitae:
Dennis P. Tarnow is currently Clinical Professor of Periodontology and Director of Implant Education at Columbia School of Dental Medicine. He is the former Professor and Chairman of the Department of Periodontology and Implant Dentistry at New York University College of Dentistry. Dr. Tarnow has a certificate in Periodontics and Prosthodontics and is a Diplomat of the American Board of Periodontology. He is a recipient of the Master Clinician Award from the American Academy of Periodontology and Teacher of the Year Award from New York University. Dr. Tarnow has a private practice in New York City and has been honored with a wing named after him at New York University College of Dentistry. He has published over one hundred articles on perio-prosthodontics and implant dentistry and has coauthored three textbooks including one titled Aesthetic Restorative Dentistry. Dr. Tarnow has lectured extensively in the United States and internationally in over thirty countries.
Synopsis:
The progressive shift towards implementing digitally-driven 3D engineering tools in reconstructive dentistry is obvious. Compared to conventional methods, the ultimate goal of digital technologies is to improve the quality and capabilities in examination, diagnosis, and treatment of the dental patient. It is still questionable, however, whether such digital tools facilitate improved accuracy in data acquisition and assessment, superior efficacy in treatment planning, and more controlled and faster manufacturing process. This presentation will provide an overview of 3D engineering in comprehensive dento-facial rehabilitation and discuss different possibilities and advantages when using a conventional or a digital approach.

Objectives:
• Identify the different components of the digital workflow in reconstructive dentistry.
• See how the combination of different digital technologies can benefit the overall treatment.
• Discover the advantages and drawbacks of implementing the digital workflow in complex rehabilitations.

Curriculum Vitae:
Prof. Att is the Director of Postgraduate Program at the Department of Prosthodontics, Dental School, University of Freiburg. He is a board-certified prosthodontist from the German Society of Prosthodontics and Biomaterials (DGPro). He obtained his DDS degree in 1997 and received the Dr Med Dent (2003) and PhD (2010) degrees as well as the title of extraordinary professor (2013) from the University of Freiburg. He was a Visiting Assistant Professor from 2005 to 2007 at the Weintraub Center for Reconstructive Biotechnology, UCLA School of Dentistry.
Synopsis:
One of the factors that will impact the final esthetic outcome of an implant-retained restoration is the volume and shape of the soft tissue around the restoration. Before starting treatment, the “final” position of the soft tissue needs to be determined so that any hard- and/or soft-tissue grafts can be planned. After completion of the surgical phase, the soft tissue management phase begins. A provisional restoration can be used to shape the soft tissue in an optimal form before a ceramic restoration is placed. During this lecture, biologic principles of the implant position and soft tissue management will be discussed and illustrated using clinical examples.

Objectives:
- Learn how to determine the 3D implant positioning in the esthetic zone.
- Consider soft tissue management during the healing and maturation phase.
- Identify how to communicate the soft tissue shape to the laboratory.

Curriculum Vitae:
Dr. M.C. Moolenaar graduated from the University of Amsterdam in July 1999, followed by a postgraduate private training in restorative dentistry for three years at the Dental Center in Hoofddorp. Dr. Moolenaar earned a specialist certificate in Oral Implantology (NVOI). He holds membership in numerous dental professional organizations, including the American Academy for Fixed Prosthodontics. Additionally, he is a board member of the Dutch Academy for Restorative Dentistry (NVVRT) and the visiting committee of the Dutch Academy for Oral Implantology. In 2011 he became an EPA board certified specialist in Prosthodontics. Since October 2014 he became an active member of the European Academy of Esthetic Dentistry (EAED). Dr. Moolenaar has lectured nationally and internationally on restorative dentistry and implantology as well as being a published author on esthetically related dental topics. He maintains a private practice in Blaricum, The Netherlands. Limited to fixed prosthodontics and implantology. In January 2014 he founded Dental Design Academy, a post-graduate program in Prosthodontics.
Synopsis:
Not all pharmacology fits into a textbook. While many pharmacological principles remain the same, the number of drugs introduced yearly is explosive. The practitioner is required to ponder the significance of complex medical history with numerous drugs listed. This fast moving, clinically relevant pharmacology presentation will review the top most prescribed drugs and their implications to dental treatment and oral health care.

Objectives
• Identify most commonly prescribed drugs
• Identify dental “side effects” of commonly prescribed drugs

Curriculum Vitae:
Dr. B. Ellen Byrne’s academic background includes a BS in Pharmacy, DDS, General Practice Residency, Certificate in Endodontics and a PhD in Pharmacology and Toxicology all from Virginia Commonwealth University. She is currently a professor of Endodontics and Senior Associate Dean of the VCU School of Dentistry. Dr. Byrne has enjoyed national recognition as a speaker, has served on multiple ADA Committees and has won prestigious alumni awards. She is a fellow in the International College of Dentists, American College of Dentists and Pierre Fauchard Academic. She is a gifted and entertaining speaker on pharmacology.
Synopsis:
The presentation will discuss the fundamentals required to accomplish a pleasing, functional, and long-lasting esthetic outcome: treatment planning, team collaboration, understanding of the patient’s needs, and selection of restorative materials.

Nowadays an innovative operative protocol allows us to face highly compromised clinical situations, with a minimally invasive prosthetic procedure (MIPP) that guarantees an excellent, long-lasting esthetic result and a better acceptance of the treatment by the patient.

Objectives:
• Discuss how to minimize the invasiveness of the prosthetic treatment and still obtain an ideal esthetic result.
• Consider how to optimize esthetics and function thanks to innovative prosthetic procedures.

Curriculum Vitae:
Dr. Bacherini graduated in Dentistry from the University of Florence in 1995. He has been a member of the Nobel Biocare Mentor Project and lectures nationally and internationally on prosthodontics and implants. He has been a member for more than ten years of the Italian Society of Prosthetic Dentistry, and is an active member of the Italian Academy of Esthetic Dentistry. He is the author of scientific publications in Italian and focuses his professional activities mainly on Prosthodontics and Implant dentistry in his private practice in Florence, Italy.
Synopsis:
The scope of practice in twenty-first century Prosthodontics has expanded greatly. As such, the exposure to civil litigation and licensure actions has increased concomitantly. This presentation will address the frequency and severity of the present claims spectrum. Measures to mitigate exposure will be addressed.

Objectives:
• Address the frequency and severity of prosthodontic claims.
• Develop practice parameters to mitigate civil exposure.
• Develop methodology to protect dental licensure.

Curriculum Vitae:
Dr. Michael R. Ragan is Managing Partner of a Miami, Florida law firm with 25 years of experience as a defense trial attorney. Dr. Ragan received a B.A. from Syracuse University, a D.M.D. from the University of Pennsylvania School of Dental Medicine, a J.D. from the Georgetown University Law Center, and an L.L.M. in Health Law from Loyola University College of Law in Chicago, Illinois. Dr. Ragan has held academic appointments at the University of Pennsylvania School of Dental Medicine, the University of Florida College of Dentistry, and the Georgetown University School of Dentistry. Dr. Ragan is presently Adjunct Professor in the Department of Oral and Maxillofacial Surgery at the Nova Southeastern College of Dental Medicine. Dr. Ragan practiced clinical dentistry for fifteen years and supervised healthcare professional liability claims for seven years within the insurance industry. Dr. Ragan is a member of the Board of Directors of Fortress Insurance Company and Chairman of their Claims Committee. Dr. Ragan is a Fellow of the American College of Dentists, the International College of Dentists, and the American College of Legal Medicine.
The current pace in the development of technologies for scanning, computer design of dental restorations, virtual surgery, and some form of digital manufacturing is moving at an alarming rate for dentistry. Not unlike our highly technical world, the “tools” for use with digital technology in medicine and dentistry seem to be obsolete just as we begin to accept them. This presentation seeks to discuss the use of a digital workflow, providing choices for different options to leverage the technology and attempt to stay the flow of the ever evolving changes.

Objectives:
• Introduce the concepts of the “digital thread” and its development.
• Provide insight into how to use the “digital thread” to develop a digital practice without going bankrupt.
• Provide an overview of the role of dentist in a highly technical workflow.

Curriculum Vitae:
Dr. Gerald Grant is a Maxillofacial Prosthodontist who recently retired from 30 years with the US Navy, where he spent the last 15 years in research and development of the use of digital technologies in head and neck reconstruction and the Service Chief of the Walter Reed National Military Medical Center 3D Medical applications Center. He is a diplomat of the American Board of Prosthodontics and Past President of the American Academy of Maxillofacial Prosthetics.
**Synopsis:**
Traditional full arch fixed implant restorations that have been used for years have proven to be very fruitful for both the patient and the prosthodontist. However, long-term clinical observations combined with recent literature now raise questions on the efficacy of this treatment. Spend time with this presentation to question what we are doing and the potential long-term effects of this treatment. Learn potential answers to the question “Is Plastic in the Patient’s Best Interest?”

**Objectives:**
- Learn the complications that you may face with implants in your practice.
- Learn clinical techniques to make implant treatment less stressful to you and the patient.
- Learn methods to deal with implant complications that we may not yet understand completely.

**Curriculum Vitae:**
Dr. Carl F. Driscoll currently serves as a Professor at the University of Maryland Dental School and as Director of the Prosthodontic Residency. Dr. Driscoll is a Diplomate of the American Board of Prosthodontics and a Fellow of the American College of Prosthodontists (ACP). Dr. Driscoll has served as President of the American Academy of Fixed Prosthodontics, President of the American Board of Prosthodontics, and as President of the ACP. He has been awarded both the Garver-Staffanou and Moulton Awards from the AAFP. Dr. Driscoll has given over 350 presentations nationally and internationally and has authored over 75 publications.
Please join in the excellence of Fixed Prosthodontics at the 2018 Annual Scientific Session of the American Academy of Fixed Prosthodontics

PRESIDENT DR. DAVID R. BURNS
FEBRUARY 23 AND 24, 2018

“Integrating Conventional and Contemporary Treatment Philosophies”

Mark Adams, DDS, MS
“Keys to Predictably Providing the Third Dentition”

Gordon Christensen, DDS, MS, PhD
“How has Digital Dentistry Changed Fixed Prosthodontics?”

Katherine Corcoran, J.D.
“Implants: Trends and Topics in Dental Malpractice Litigation”

Martin Land, DDS, MSD
“Contemporary Prosthodontics: Contrasting Past, Present and Future”

Stanley Malamed, DDS
“What’s New in Local Anesthesia - Dentistry’s Most Important Drugs”

Palo Malo, DDS, PhD
“The MALO CLINIC Bridge: History, Challenges, Advantages, Disadvantages, the Future”

William Martin, DMD, MS, FACP
“Fixed Restorative Solutions for the Edentulous Arch, Planning Driving Predictability”

Jeffrey Okeson, DMD
“A Contemporary look at Prosthodontics and TMD”

Vijay Parashar, DDS, MDSc.
“Cone Beam CT: Standard of Care for Dental Implants?”

Stephen Parel, DDS
“A Retrospective on the Prosthodontic Perspective of Implant Therapy”

John Sorensen, DMD, PhD, FACP
“The Convergence of Modern Ceramics & Digital Technology for Enhanced Prosthodontics”

Enrico Steger, MDT
“100% Esthetics - Digital Components for the Practice”

Thomas Taylor, DDS, MSD
“Occlusion as it Relates to Implant Prosthodontics: Conventional Thinking and Contemporary Realities.”

Glenn Wolflinger, DMD, FACP
“The Evolution of the Teeth In A Day® Protocol”