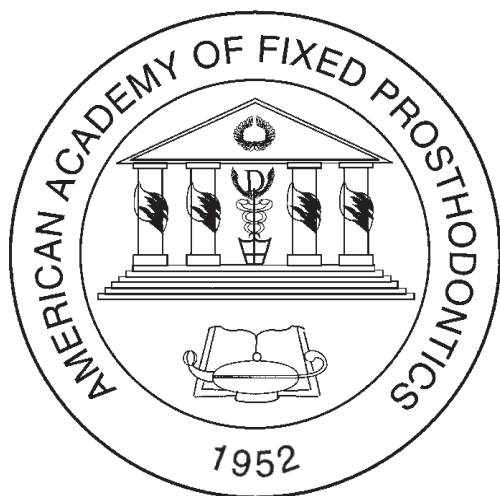


# THE AMERICAN ACADEMY OF FIXED PROSTHODONTICS



## MULTIDISCIPLINARY APPROACH TO COMPLEX **PROSTHODONTICS:** THE KEY TO YOUR SUCCESS

### 65<sup>TH</sup> ANNUAL SCIENTIFIC SESSION

Friday, February 26, 2016

Saturday, February 27, 2016

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

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### TENTATIVE 2017 MEETING February 24-25, 2017

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.

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12.5 hours credit for this course

## THE AMERICAN ACADEMY OF FIXED PROSTHODONTICS MISSION AND GOALS

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

The Academy shall:

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

Authored by  
Dr. Stephen D. Campbell

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

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

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

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

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

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

Authored by Dr. Jesse T. Bullard

## PAST PRESIDENTS

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

---

\* Deceased



## **DR. STEVEN MORGANO**

### **President, 2015-2016**

It is with much pleasure that I welcome all members, guests, residents, exhibitors and meeting sponsors to our 65th Annual Scientific Session of the American Academy of Fixed Prosthodontics. It is truly an honor and humbling to serve as our Academy's president.

Drs. Nadim Baba and Carlo Ercoli, program co-chairs, have set up a great group of speakers with the theme, Multidisciplinary approach to complex prosthodontics: The key to your success. This array of speakers covers the latest advances in the treatment of patients with complex prosthodontic needs, including the use of digital dentistry. I am sure all will be very pleased with the program, and I offer my singular thanks to Nadim and Carlo for all their efforts.

I owe a very special thanks to Dr. Jack Lipkin, our immediate past president, for his mentorship and his friendship during this past year, and to Dr. Julie Holloway, our president immediately before Jack. With their help, as well as the help of Dr. Steve Rosenstiel, our secretary, Dr. Rick Jordan, our treasurer and secretary for guests, and Dr. Igor Pesun, our meeting director, things have gone smoothly behind the scenes.

I could not mention "help" without thanking our parliamentarian and past president, Dr. Martin Land, for all his guidance in conducting the Board of Directors meetings. His understanding of and familiarity with the by-laws of the Academy are unsurpassed. All members of the Board of Directors have benefitted from his knowledge. And, of course, the Academy could not run without the hard work of all members of our Board of Directors, and our webmaster, Dr. Radi Masri, who also serves as a member of the Board of Directors.

Please enjoy the meeting and the camaraderie that comes with it.

Steve Morgano  
President

**OFFICERS AND DIRECTORS 2015-2016**  
**STANDING COMMITTEES 2015-2016**  
**AMERICAN ACADEMY OF FIXED PROSTHODONTICS**

**President**

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## DIRECTORS 2016

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Damian Lee  
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Avi Bidra 2017, Chair

Ken Chen 2017, Secretary

Nick Abu Jamra 2016

Aaron Kim 2017

Servando (Van) Ramos 2018

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Darshanjit Pannu 2018

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Nadim Baba 2016

David Burns 2017

Avi Bidra 2018

Sangeetha Raghavendra 2018

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Fatemeh Afshari 2017

Alex Chan 2017, AV Consultant

Anna Manzotti 2018

James Ywon AV Consultant, ad hoc

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Jesse Bullard 2017

Denny Smith 2017

Arthur Rodrigues 2018

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

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Carl Driscoll 2016  
Gerry Santulli 2016  
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Martin Land, ad hoc  
Stephen Rosenstiel Ex-Officio

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Gerry Santulli, Ad hoc

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Duane Douglas 2017  
Gerry Santulli, President-Elect, Ex Officio  
David Burns, Vice-President, Ex Officio  
Rick Jordan, Treasurer, Ex Officio

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Nancy Chaffee 2016  
Nadim Baba 2018  
Stephen Rosenstiel, Ex Officio

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Aaron Kim 2018  
Art Rodriguez 2018  
Silvia Amaya, Photographer  
Steve Rosenstiel, Ex Officio  
Alvin Wee, Ad hoc

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David Burns, Vice President and Chair  
Vinny Huang 2016  
John Van der Creek 2018

## CLAUDE R. BAKER TEACHING AWARD IN FIXED PROSTHODONTICS

Mijin Choi 2016, Chair  
Judy Yuan 2016  
Vanessa Swain 2017  
Art Rodriguez 2017  
Caroline Nguyen 2018

## INFORMATION TECHNOLOGY COMMITTEE

Radi Masri 2017, Chair  
Caroline Nguyen 2016  
Garima Talwar 2017

## COMMITTEE FOR THE GARVER-STAFFANOU PROSTHODONTIC RESIDENCY EDUCATOR AWARD

Bill Nagy Chair 2017  
Mathew Kattadiyil 2016  
John Agar 2018  
Carl Driscoll 2018

## EXHIBITS COMMITTEE

Stephen Raney 2016, Chair  
Darshanjit Pannu 2017  
Robert Faulkner 2019  
Jack Marincel, Ad hoc

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Charlene Solomon 2016  
Steve Morgano 2016  
Kevin Plummer, Ex Officio

### **Committee B:**

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Matthew Kattadiyil 2017  
Alejandro Peregrina 2017  
Darshanjit Pannu, Ex Officio

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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**

Steve Morgano  
Gerry Santulli, Alternate

## PREVIOUS 1ST PLACE WINNERS OF THE TYLMAN AWARD

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

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

## PREVIOUS MOULTON AWARD RECIPIENTS

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

## 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

## PREVIOUS GARVER-STAFFANOU PROSTHODONTIC RESIDENCY EDUCATOR AWARD RECIPIENTS

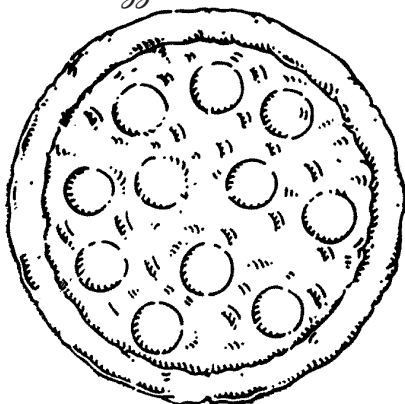
2010:	Gerald Ziebert
2011:	Carl Jerry Andres
2012:	John R. Agar
2013:	William Nagy
2014:	Carl Driscoll
2015:	Wayne Campagni

## 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

# Members Annual Business Meeting

*with Pizza and Drinks*



**THURSDAY, FEBRUARY 25, 2016**

**4:30 - 5:00 PM**

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

**5:00 - 7:00 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

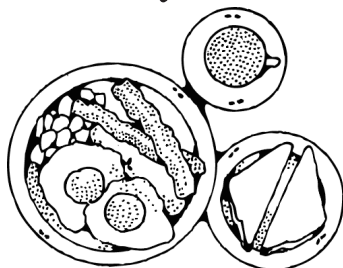
**SATURDAY, February 27, 2016**

**7:00 AM,**

*Lincolnshire Room*

Salon I & II (6th Floor)

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





## 2016 PROGRAM CO-CHAIRS



Dr. Carlo Ercoli & Dr. Nadim Baba

## 2015 PROGRAM CO-CHAIRS



Dr. Jane Brewer & Dr. Jennifer Kuracina

## 2017 PROGRAM CHAIR



Dr. David Burns

## EXHIBITOR DIRECTORY

### Stephen Raney, Chair Exhibits Committee

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

#	Company	Booth
1.	Asahi Refining USA, Inc.	105
2.	BioHorizons	126
3.	Brasseler USA	104
4.	BQ Ergonomics	113
5.	ContactEZ	111
6.	Cusp Dental Research, Inc.	102
7.	DDS Refining	116
8.	Dentsply Implants*	120-121
9.	Designs for Vision, Inc.	100
10.	Elsevier	136
11.	GC America	127
12.	Henry Schein Dental	112
13.	Ivoclar Vivadent*	128-129
14.	Kuraray America, Inc.	103
15.	Nobel Biocare*	130-131
16.	Osteogenics Biomedical	133
17.	Panadent	101
18.	Preat Corporation	137
19.	Quintessence Publishing Co., Inc.	122-123
20.	Renstrom Dental Studio	106
21.	SAM Präzisionstechnik GmbH	117
22.	Sirona Dental, Inc.	124-125
23.	Valley Dental Arts, Inc.	114
24.	Whip Mix Corporation	118-119
25.	Yodle, Inc.	132
26.	Zimmer Biomet*	134-135

\* Sponsors

## POSTER PRESENTATIONS PROGRAM AAFP 2016

The American Academy of Fixed Prosthodontics  
65th Annual Scientific Session  
Friday, February 26, 2016  
The Chicago Marriott Hotel Downtown  
5:15 - 7 :00 p.m. Chicago Ballroom, 5th Floor

1. Tylman Award winner - First Place:  
Dr. Diane Vo  
Title: Adherence of Streptococcus Mutans on Lithium Disilicate Porcelain Specimens  
Institution: University of Maryland  
Research Advisor: Dr. Radi Masri  
Program Director: Dr. Carl Driscoll  
E-mail: dvo.prosth@gmail.com
2. Tylman Award Winner - Second Place:  
Dr. Nuno Marques Guilherme  
Title: Assessment of Reliability of CAD/CAM Tooth-colored Implant Custom Abutments  
Institution: University of Washington  
Research Advisors: Dr. Kwok-Hung Chung & Dr. Ariel Raigrodski  
Program Director: Dr. Hai Zhang  
E-mail: nunoguilhermemd@gmail.com
3. Tylman Award winner - Third Place:  
Dr. Lessly Garza  
Title: The Effect of Toothbrushing on Shade and Surface Roughness of Extrinsically Stained Pressable Ceramic Restorations  
Institution: Marquette University School of Dentistry  
Research Advisor: Dr. Geoffrey A. Thompson  
Program Director: Dr. Geoffrey A. Thompson  
E-mail: lessly.garza@marquette.edu
4. Provisional implant restoration and gingival control in anterior esthetic implants  
Presenter: Dr. Fernando Astorga  
Institution: University of Colorado
5. Accuracy of master model fabrication with 3D-Printer  
Presenters: Dr. Sakura Shimizu & Dr. Yasuo Hatano  
Institution: Crown and Bridge Nippon Dental University  
School of Life Dentistry at Tokyo  
Program Director: Harunori Gomi D.D.S., Ph.D.
6. Wear performance of monolithic ceramics against enamel  
Presenter: Dr. Taneet Ghuman  
Institution: University of North Carolina  
Program Director: Dr. Terry E. Donovan  
E-mail: Taneet\_Ghuman@unc.edu

## 2016 POSTER PROGRAM CONTINUED

7. Maxillary fixed implant immediate rehabilitation of microstomic patient with systemic scleroderma  
Presenter: Dr. Roberta A. Wright  
Institution: University of Connecticut  
Program Director: Dr. Avinash Bidra  
E-mail: rowright@uchc.edu
8. MDP-containing primer's effect on bonding strength for cement and Ce-TZP/Al2O3  
Presenters: Dr. Akinori Niitsuma & Dr. Yasuo Hatano  
Institution: Crown and Bridge Nippon Dental University  
School of Life Dentistry at Tokyo  
Program Director: Harunori Gomi D.D.S., Ph.D.
9. Esthetic and functional enhancement using anterior implant-supported cantilever bridges  
Presenter: Dr. Fatema Alqudaihi  
Institution: Indiana University
10. Alternative treatment approach of inadequate, existing implant-assisted overdenture for ectodermal dysplasia patient  
Presenters: Dr. Hussain Alsayed & Dr. Nasser Alqahtani  
Institution: Indiana University  
Program Director: Dr. John Levon  
E-mail: halsayed@iupui.edu
11. A review of the US dental faculty shortage crisis and creative solutions  
Presenter: Dr. Tien Ha-Ngoc  
Institution: University of Illinois  
Program Director: Dr. Kent Knoernschild  
E-mail: thango2@uic.edu
12. Digital workflow for single-tooth implant treatment with simultaneous digital impression  
Presenter: Dr. Armand Putra  
Institution: University of Washington  
Program Director: Dr. Hai Zhang  
E-mail: aputra@uw.edu
13. Management of combined fixed/removable prosthodontic treatment using a novel CAD/CAM approach  
Presenter: Dr. Manuel Bratos  
Institution: University of Washington  
Program Director: Dr. Hai Zhang  
E-mail: bratosm@uw.edu

## 2016 POSTER PROGRAM CONTINUED

14. Prosthetic complications of implant-supported full-arch prostheses: A comparison  
Presenter: Dr. Virginia Lea Hogsett  
Institution: University of Illinois  
Research Advisors: Dr. Fatemeh Afshari & Dr. Cortino Sukotjo  
Program Director: Dr. Kent Knoernschild  
E-mail: [vhogse2@uic.edu](mailto:vhogse2@uic.edu)
15. Accuracy of fit between CAD/CAM implant-supported frameworks  
Presenter: Dr. Joseph R. Muckenthaler  
Institution: Naval Dental School, Bethesda, Maryland  
Program Director: Dr. Anton Petrich  
E-mail: [joseph.r.muckenthaler.mil@health.mil](mailto:joseph.r.muckenthaler.mil@health.mil)
16. Resistance form of lithium disilicate full-coverage restorations fabricated using different techniques  
Presenter: Dr. Benjamin D. Fitzharris  
Institution: Naval Dental School, Bethesda, Maryland  
Program Director: Dr. Anton Petrich  
E-mail: [Benjamin.d.fitzharris.mil@mail.mil](mailto:Benjamin.d.fitzharris.mil@mail.mil)
17. Shear bond strength of two relining/repair materials to milled PMMA  
Presenter: Dr. Geoffrey L. Ward  
Institution: Naval Dental School, Bethesda, Maryland  
Research Advisor: Dr. Glen M. Imamura  
Program Director: Dr. Anton Petrich  
E-mail: [Geoffrey.L.Ward2.mil@mail.mil](mailto:Geoffrey.L.Ward2.mil@mail.mil)
18. An evidence-based and cost-based guide for choosing lithium disilicate vs. zirconia restorations  
Presenter: Dr. Akanksha Srivastava  
Institution: University of Connecticut  
Program Director: Dr. Avinash Bidra  
E-mail: [aksrivastava@uchc.edu](mailto:aksrivastava@uchc.edu)
19. Dental erosive potential of commercially available vegetable juice  
Presenter: Dr. Upoma Guha  
Institution: University of Buffalo, New York
20. Esthetic implant provisionalization: A simple alternative procedure  
Presenter: Dr. Pranai Nakaparksin  
Institution: Indiana University  
Program Director: Dr. John Levon  
E-mail: [pnakapar@iupui.edu](mailto:pnakapar@iupui.edu)
21. Treatment of missing maxillary lateral incisor  
Presenter: Dr. Seung Kee Choi  
Institution: University of Maryland  
Program Director: Dr. Carl Driscoll  
E-mail: [schoi@umaryland.edu](mailto:schoi@umaryland.edu)

## 2016 POSTER PROGRAM CONTINUED

22. Management of mandibular and maxillary implant-supported overdenture with cone beam computed tomography  
Presenter: Dr. Adriana Padron  
Institution: University of Illinois  
Program Director: Dr. Kent Knoernschild  
E-mail: apadro3@uic.edu
23. Novel nano-ceramic coating on polymethyl methacrylate denture base  
Presenters: Dr. Randold Binns & Dr. Su Huang  
Institution: University of Illinois  
Research Advisor: Dr. Bin Yang  
Program Director: Dr. Kent Knoernschild  
E-mail: rbinns2@uic.edu
24. Reducing peri-implant disease with screw access channels in cement-retained implant crowns  
Presenters: Dr. Samuel J. Hickman  
Institution: University of Minnesota  
Research Advisor: Dr. William Nagy  
Program Director: Dr. Heather Conrad  
E-mail: hickm117@umn.edu
25. Monolithic zirconia crown cemented extraorally and delivered as a screw retained implant restoration  
Presenter: Dr. Fouad Badr  
Institution: University of Minnesota  
Program Director: Dr. Heather Conrad  
E-mail: drfouadbdr@gmail.com
26. Treatment plan and systemic approach to the worn dentition: A case report  
Presenter: Dr. Chao-Chieh Yang  
Institution: Indiana University  
Program Director: Dr. John Levon  
E-mail: cy21@iupui.edu
27. Considerations of rotational error from fixture to analog  
Presenter: Dr. Hyeonjong Lee  
Institution: Kyunghee University, Seoul, Korea  
Research Advisor: Prof. Kwantae Noh
28. Challenges in managing an anterior segmental mandibulectomy patient with an implant-supported fixed prosthesis  
Presenter: Dr. Jessica K. Hsieh  
Institution: University of Connecticut  
Program Director: Dr. Avinash Bidra  
E-mail: jhsieh@uchc.edu

## 2016 POSTER PROGRAM CONTINUED

29. Treatment of a reconstructed partial mandibulectomy patient using a titanium-zirconia-resin fixed implant prosthesis  
Presenter: Dr. Tyler Thomas  
Institution: University of Connecticut  
Program Director: Dr. Avinash Bidra  
E-mail: tythomas@uchc.edu
30. Implant screw complications: A protocol for successful treatment  
Presenters: Drs. Candice Vinson & Eleni Voltidi  
Institution: University of Alabama  
Program Director: Dr. Perng-Ru Liu  
E-mail: cmvinson@uab.edu
31. Dimensional stability of two polyvinylsiloxane impression materials over time  
Presenter: Dr. Sabrina Bhatti  
Institution: University of Buffalo, New York  
Research Advisor: Dr. Ramtin Sadid-Zadeh
32. Shear bond strength of titanium-zirconia using different resin cements.  
Presenter: Dr. Jamieson Brady  
Institute: University of Buffalo, New York  
Research Advisor: Dr. Ramtin Sadid-Zadeh
33. The impact of bruxism on the outcome of implant therapy  
Presenter: Dr. Aiste Gintaute  
Institution: Albert-Ludwigs University, Freiburg, Germany  
Research Advisor: Prof Wael Att
34. The pH and titratable acidity of bottled water enhanced with artificial flavoring  
Presenter: Dr. Caroline Nguyen Ngoc  
Institution: University of North Carolina  
Research Advisor: Dr. Sumitha Ahmed  
Program Director: Dr. Terry Donovan  
E-mail: caro88@email.unc.edu
35. Delayed setting expansion of five commercially available dental investment materials  
Presenter: Dr. Prokopios Antonellis  
Institution: Baylor, College of Dentistry, Texas  
Program Director: Dr. William Nagy  
E-mail: pantonellis@bcb.tamhsc.edu
36. Cutting efficiency of diamond burs on yttria-stabilized zirconia and lithium disilicate ingots  
Presenters: Dr. Andreina Cordido Enriquez & Dr. Panagiotis Gakis  
Institution: Baylor, College of Dentistry, Texas  
Program Director: Dr. William Nagy  
E-mail: acordido@tamu.edu

## 2016 POSTER PROGRAM CONTINUED

37. Three potential workflows for CAD/CAM implant-retained crowns in the digital age  
Presenters: Dr. Stephanie Zeller & Dr. Brian Aguirre  
Institution: Baylor, College of Dentistry, Texas  
Program Director: Dr. William Nagy  
E-mail: StephanieKZeller@gmail.com
38. Assessment of inter-occlusal distance ratio of Angle Class I & II occlusion after increasing the vertical dimension: An vivo study  
Presenters: Dr. Viet Ho & Dr. Druthil Belur  
Institution: Baylor, College of Dentistry, Texas  
Program Director: Dr. William Nagy  
E-mail: vi3t.ho@gmail.com
39. Using Palaseal to seal the tissue surface of implant provisional restorations: A clinical technique  
Presenters: Dr. Steven Williams & Dr. Kimberly Dennis  
Institution: Baylor, College of Dentistry, Texas  
Program Director: Dr. William Nagy  
E-mail: Sawilliams@bcb.tamhsc.edu
40. Oral rehabilitation of ectodermal dysplasia patient utilizing implant-supported CAD/CAM full-contour zirconia restorations  
Presenter: Dr. Peerapat Kaweewongprasert  
Institution: Indiana University  
Research Advisors: Dr. Kamolpob Phasuk & Dr. Dean Morton  
Program Director: Dr. John Levon  
E-mail: pkaweewo@iupui.edu
41. Monolithic CAD/CAM lithium-disilicate versus press veneered Y-TZP crowns: Clinical 3-year results  
Presenter: Dr. Johannes Boldt  
Institution: Albert-Ludwigs University, Freiburg, Germany  
Research Advisor: Prof. Dr. Joerg R. Strub
42. Minimally invasive all-ceramic crown: Effect of preparation guidelines on fatigue failure load  
Presenter: Dr. Alexander Vuck  
Institution: Albert-Ludwigs University, Freiburg, Germany  
Research Advisor: Prof. Dr. Joerg R. Strub
43. Fatigue behavior of CAD/CAM ceramic abutments as a function of design and ceramic processing  
Presenter: Dr. Konstantinos Vazouras  
Institution: University of Connecticut  
Research Advisor: Dr. Robert Kelly  
Program Director: Dr. Avinash Bidra  
E-mail: vazouras@uchc.edu
44. Radiographic evaluation of all-ceramic crown margins  
Presenter: Dr. William Wahle  
Institution: University of Maryland  
Program Director: Dr. Carl Driscoll  
E-mail: max.whale@gmail.com



**THE AMERICAN ACADEMY OF FIXED PROSTHODONTICS  
SIXTY-FIFTH ANNUAL SCIENTIFIC SESSION  
FRIDAY, FEBRUARY 26, 2016**

**MULTIDISCIPLINARY APPROACH TO COMPLEX PROSTHODONTICS:  
THE KEY TO YOUR SUCCESS**

- 7:00 a.m. Registration, 7th Floor Foyer  
Continental Breakfast in Exhibit Hall, Salon III
- 8:00 a.m. WELCOME: Dr. Steven Morgano, President
- 8:10 a.m. Dr. Ariel Raigrodski  
The Evolving Role of Zirconia Abutments and Infrastructures in  
the Contemporary Dental Practice
- 9:00 a.m. Dr. Daniel F. Galindo  
Fixed Implant Prosthodontics for the Edentulous Maxilla:  
Past, Present and Future
- 9:50 a.m. REFRESHMENT BREAK IN THE 7th FLOOR EXHIBIT HALL  
All members, guests and students invited
- 10:20 a.m. Dr. Leif K. Bakland  
Management of Traumatic Dental Injuries
- 11:10 a.m. Dr. Charles J. Goodacre  
Tooth Retention through Root Canal Treatment or Tooth  
Replacement Using Implants or Fixed Partial Dentures:  
Which Treatment is Best?
- 12:00- ANNUAL LUNCHEON FOR MEMBERS, GUESTS,  
AND GRADUATE STUDENTS  
5th Floor Chicago Ballroom
- 2:00 p.m. Dr. José Carlos da Rosa  
Immediate Dentoalveolar Restoration (IDR): a 9-year-follow-up
- 2:50 p.m. Dr. Ali Fakhry  
Optimizing esthetics with immediate implant placement
- 3:40- REFRESHMENT BREAK IN THE 7th FLOOR EXHIBIT HALL  
All members, guests and students invited
- 4:10 p.m. Dr. German O. Gallucci  
Digital Approach for Fixed Implant Rehabilitation in  
Edentulous Patients
- 5:00 - ANNUAL MEMBER & GUEST COCKTAIL RECEPTION AND  
7:00 p.m. ANNUAL POSTER SESSION  
Chicago Ballroom, 5th Floor  
All members, guests and students invited

**THE AMERICAN ACADEMY OF FIXED PROSTHODONTICS  
SIXTY-FIFTH ANNUAL SCIENTIFIC SESSION  
SATURDAY, FEBRUARY 27, 2016**

**MULTIDISCIPLINARY APPROACH TO COMPLEX PROSTHODONTICS:  
THE KEY TO YOUR SUCCESS**

- 7:00 a.m. Registration, 7th Floor Foyer  
Continental Breakfast in Exhibit Hall, Salon III
- 8:00 a.m. Dr. Daniele Manfredini  
Prosthodontic Planning in TMD and Bruxism Patients
- 8:50 a.m. Dr. Radi Masri  
Clinical Implications and Applications of Mandibular Flexure
- 9:40 a.m. REFRESHMENT BREAK IN THE 7th FLOOR EXHIBIT HALL  
All members, guests and students invited
- 10:10 a.m. Dr. David Guichet  
Harness the Power of Digitally Enhanced Implant Dentistry
- 11:00 p.m. Dr. Istvan Urban  
New Perspectives on Vertical and Horizontal Augmentation
- 11:50- 12:20 p.m. LIGHT LUNCHEON  
Food Served in the 7th Floor Exhibit Hall, Salon III  
(Exhibits will close at the start of the afternoon program)
- 1:20 p.m. Dr. Carlo Poggio  
Interdisciplinary Management of Oral Rehabilitation:  
What is Important?
- 2:10 p.m. Christian Coachman  
The Smile Design Revolution: Communication, Planning,  
Implementation and Management.
- 3:00 p.m. Dr. Michael Di Tolla  
Update on Monolithic Restorations and CAD/CAM  
Laboratory Technology
- 3:50 p.m. POSTER AWARDS  
Dr. Sarit Kaplan, Posters Committee Chair
- 4:00 p.m. CLOSING REMARKS  
Dr. Carlo Ercoli, Program Co-Chair  
Dr. Nadim Baba, Program Co-Chair  
Dr. Steven Morgano, President

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

## 2016 POSTER PROGRAM CONTINUED

45. Placing locator bar attachments on existing bar using drill and tap technique: Case report  
Presenter: Dr. Ali Maarafi  
Institution: Indiana University  
Program Director: Dr. John Levon  
E-mail: amaarafi@iupui.edu
46. Differences between conventionally and CAD/CAM fabricated complete removable dental prostheses – Objective & subjective analysis  
Presenters: Dr. Krystle Kendall & Dr. Chris Coffey  
Institution: University of Illinois  
Program Director: Dr. Kent Knoernschild  
E-mail: kkenda3@uic.edu
47. Full-mouth rehabilitation in patient with Trichodontoosseous syndrome: A clinical report  
Presenter: Dr. Pornpavee Panichkul  
Institution: Louisiana University  
Program Director: Dr. Laurie Moeller  
E-mail: ppanic@lsuhsc.edu
48. Comprehensive treatment of patients with mandibular ameloblastoma combined with dento-alveolar anomaly  
Presenter: Dr. Daria Bulycheva  
Institution: State Medical I.P. Pavlov-  
University of Saint Petersburg, Russia  
Program Director: Prof. Elena Bulycheva
49. A new approach when utilizing an osseointegrated implant for orthodontic movement  
Presenter: Dr. Steven E. Handel Jr  
Institution: US Army, Fort Gordon, GA  
Program Director: Col. Van Ramos Jr D.D.S.  
E-mail: steven.e.handel.mil@mail.mil
50. Fabricating tooth supported overdenture using locators as a method of retention: Case report  
Presenters: Dr. Yasmin Alzayer & Sami Abdullallah Almohefer  
Institution: Indiana University  
Program Director: Dr. John Levon  
E-mail: yalzayer@iupui.edu
51. The effect of bacteria on corrosion of dental implants  
Presenter: Dr. Charles Palin  
Institution: University of Illinois  
Research Advisor: Dr. Cortino Sukotjo  
Program Director: Dr. Kent Knoernschild  
E-mail: cpalin2@uic.edu
52. Seating verification of tooth-borne computer-generated guide  
Presenter: Dr. Se Jong Kim  
Institution: University of Maryland  
Program Director: Dr. Carl Driscoll  
E-mail: sejongk@umaryland.edu

53. Corrosion behavior of TiZr alloy (Roxolid) compared to CpTi and Ti6Al4V  
Presenter: Dr. Saad Saleh Alresayes  
Institution: University of Illinois  
Program Director: Dr. Kent Knoernschild  
E-mail: isa3ad@gmail.com
  
54. Utilizing a remote implant for anchorage in orthodontic extrusion – A case report  
Presenter: Dr. Joshua Manchester  
Institution: University of Washington  
Research Advisor: Dr. E.R. Schwedheim  
Program Director: Dr. Hai Zhang  
E-mail: Jmanch90@uw.edu

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## **DR. ARIEL RAIGRODSKI**

*The Evolving Role of Zirconia Abutments  
Infrastructures in the Contemporary  
Dental Practice*

**Friday, February 26, 2016 | 8:10 a.m.**

### **Synopsis:**

The success of implant-supported restorations in the esthetic zone is measured not only by the degree of osseointegration of the implants in the bone, but also by how well the restoration blends with the supporting soft and hard tissues and the surrounding dentition. Adequate management of the peri-implant gingival tissues in terms of abutment design and abutment material, and their integration with different restorative materials is paramount for achieving such success.

This presentation will address challenges faced by clinicians and dental technicians while selecting and designing implant abutments for cement-retained restorations and screw-retained restorations in the esthetic zone. It will focus on the role of zirconia and the role of CAD/CAM technology in the design and fabrication of custom implant abutments for cement-retained restorations and implant infrastructures for screw-retained restorations. Treatment of patients with zirconia implant abutments and screw-retained infrastructures will be presented while focusing on real life clinical challenges and complications in the day-to-day practice.

### **Objectives:**

- Discuss challenges in abutment selection in the esthetic zone and solutions for reducing complications.
- Discuss advantages and limitations of zirconia abutments and infrastructures with guidelines for use.
- Discuss the advantages and limitations of CAD/CAM technology in terms of abutment design and fabrication.

### **Curriculum Vitae:**

Dr. Raigrodski is a Professor in the Department of Restorative Dentistry and an Adjunct Professor in the Department of Materials Science and Engineering at the University of Washington. He is Assistant Editor of The Journal of Prosthetic Dentistry and a member of the editorial review boards of the Journal of Esthetic and Restorative Dentistry, the Journal of Prosthodontics, and the International Journal of Periodontics and Restorative Dentistry. Dr. Raigrodski is a graduate of the Hebrew University in Jerusalem Israel. He received his certificate in Prosthodontics at Louisiana State University School of Dentistry, where he also completed a fellowship in implants and esthetics, and an MS degree. He is a Diplomate of the American Board of Prosthodontics, a Fellow of the American College of Prosthodontists, a Fellow of the International College of Dentists, and a member of many professional organizations. An author of numerous scientific articles and book chapters, Dr. Raigrodski's research is mainly clinical and focuses on all-ceramics restorations implants, and CAD/CAM technology. He is the Author of "Soft Tissue Management: The Restorative Perspective-Putting Concepts into Practice" published in 2015 by Quintessence Publishing. He lectures both nationally and internationally, and maintains a private practice limited to Restorative, Implants and Esthetic Dentistry in Kenmore, WA.



## **DR. DANIEL F. GALINDO**

*Fixed Implant Prosthodontics for the  
Edentulous Maxilla:  
Past, Present and Future*

**Friday, February 26, 2016 | 9:00 a.m.**

### **Synopsis:**

The management of the edentulous maxilla poses a number of challenges, and treatment modalities have continued to evolve. Esthetic expectations, adequate phonetics and stable masticatory function are areas of major concern not only for the final prosthesis but also during the course of treatment and are often complicated by the fact that patients may be missing either teeth, soft tissue, bone or a combination of these. Adequate pre-treatment evaluation of the patient is mandatory to allow for adequate communication between the implant team striving to seek improved patient care.

Treatment protocols have evolved over the years based on a new understanding of the anatomical, biological and mechanical environment of the edentulous patient. Non-axial placement of fewer implants has reduced the need for additional surgical procedures allowing an expedited transition to a definitive prosthesis while under immediate function. The purpose of this presentation is to introduce a comprehensive protocol for treatment of the edentulous maxilla, a challenging setting where immediate function is commonly prescribed.

### **Objectives:**

- Illustrate the evolution of treatment protocols for the edentulous maxilla
- Differentiate the management of the edentulous maxilla based on varying anatomical conditions
- Present the principles and requirements for immediate function

### **Curriculum Vitae:**

Dr. Daniel F. Galindo received his dental degree from Universidad Javeriana School of Dentistry in Bogota, Colombia and his certificate in prosthodontics from the University of Rochester Eastman Dental Center. He served as Assistant Professor in the Department of Prosthodontics and Operative Dentistry at the University of Connecticut School of Dental Medicine and is currently Clinical Assistant Professor at the University of Rochester Eastman Institute for Oral Health. Dr. Galindo is a Diplomate of the American Board of Prosthodontics, a Fellow of the American College of Prosthodontists and an active member of the Academy of Osseointegration, the American Academy of Fixed Prosthodontics, and the American Prosthodontic Society. He is in full-time private practice in Phoenix, Arizona, limited to prosthodontics and implant dentistry. Dr. Galindo has authored numerous scientific publications in the fields of prosthodontics and implant dentistry and has lectured at national and international meetings.



## **DR. LEIF K. BAKLAND**

*Management of Traumatic Dental Injuries*

**Friday, February 26, 2016 | 10:20 a.m.**

### **Synopsis:**

Management of traumatic dental injuries (TDIs) often requires a multidisciplinary approach. Since TDIs most frequently occur in children and adolescents, age-appropriate management typically involves several phases of treatment. Using an avulsed tooth as an example, the primary level of treatment is stabilization of the injury: replantation and endodontic therapy. The secondary level of treatment may occur if ankylosis-related resorption occurs: decoronation or orthodontic space closure. The tertiary level of treatment concerns definitive treatment such as placement of dental implants or other prosthodontic procedures. The involvement of the prosthodontist should ideally occur early enough in the treatment process to allow optimal preparation and timing of the components of treatment. This presentation will include information about various TDIs and will be extensively illustrated with clinical cases.

### **Objectives:**

- Recognition of various outcomes of TDIs
- Identification of optimal treatment sequences
- Providing age-appropriate treatment options

### **Curriculum Vitae:**

Dr. Leif K. Bakland is Emeritus Professor of Endodontics at Loma Linda University in California. His professional career has been devoted to teaching, research and writing, and patient care. He is author and co-author of more than 90 scientific articles and book chapters and was co-editor of the 4th, 5th, and 6th editions of Ingle's ENDODONTICS. His interest in dental trauma spans several decades and he is co-editor of 3 editions of TRAUMATIC DENTAL INJURIES and is an associate editor of DENTAL TRAUMATOLOGY. He has lectured worldwide on dental trauma and endodontics and has received many awards, including the I. B. Bender Lifetime Educator Award and the J.O. Andreasen Lifetime Achievement Award in Dental Traumatology.





## **DR. CHARLES J. GOODACRE**

*Tooth Retention through Root Canal Treatment  
or Tooth Replacement using Implants or Fixed  
Partial Dentures: Which Treatment is Best?*

**Friday, February 26, 2016 | 11:10 a.m.**

### **Synopsis:**

This presentation will discuss the scientific and clinical factors used to determine whether a tooth should be replaced through root canal treatment or be extracted and replaced with a dental implant or a conventional fixed partial denture

### **Objectives:**

- Identify the factors that should be considered when determining whether to perform root canal treatment or extract a tooth and place an implant or fixed partial denture.
- Compare the clinical survival rates of each treatment modality.
- Compare root canal treatment and dental implants based on biologic factors, associated procedures required, cost, esthetics, and psychosocial factors.

### **Curriculum Vitae:**

Dr. Goodacre received his DDS degree from Loma Linda University School of Dentistry in 1971. He completed a three year combined program in Prosthodontics and Dental Materials at Indiana University School of Dentistry and in 1974 earned his MSD degree. He served as Chair of the Department of Prosthodontics at Indiana University, and from 1994 to 2013 served as Dean of the Loma Linda University School of Dentistry. He currently teaches in the Advanced Education Program in Prosthodontics at Loma Linda University School of Dentistry. He is a Diplomate of the American Board of Prosthodontics, 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 has published over 220 articles, research abstracts, textbooks, and textbook chapters. In addition, he has developed or helped to develop 17 online CE courses, 11 electronic education programs, and 3 eBooks related to a range of topics that includes implant dentistry, complete dentures, clinical complications in prosthodontics, occlusion, tooth preparation, head and neck anatomy, temporomandibular joint anatomy, oral cancer screening, and color and shade selection.

He has received several awards such as Educator of the Year, Distinguished Lecturer, Distinguished Service Award, and Dan Gordon Lifetime Achievement Award from the American College of Prosthodontists; the George Moulton Award from the American Academy of Fixed Prosthodontics, the William J. Gies Award from the American Dental Education Association; Honorary Fellowship in the Faculty of Dentistry of the Royal College of Surgeons in Ireland; the Golden Medallion Award from the American Prosthodontic Society; the Distinguished Service Award from the Academy of Prosthodontics; the Jerome and Dorothy Schweitzer Research Award and also the Distinguished Lecturer Award from the Greater New York Academy of Prosthodontics. He received the Stephen H. Leeper Award for Teaching Excellence in 2015 from the Supreme Chapter of Omicron Kappa Upsilon. In 2015 he was awarded a Distinguished Professorship at Loma Linda University School of Dentistry..



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

**Friday, February 26, 2016 | 12:00 p.m.**

**2016 STANLEY D. TYLMAN RESEARCH AWARDS\***

Dr. Fei Liu, Chair, Tylman Research Committee

**FIRST PLACE AWARD**

Dr. Diane Vo

University of Maryland

Program Director: Dr. Carl Driscoll

Research Advisor: Dr. Radi Masri

**SECOND PLACE AWARD**

Dr. Nuno Marques Guilherme

University of Washington

Program Director: Dr. Hai Zhang

Research Advisors: Drs. Kwok-Hung Chung and Ariel Raigrodski

**THIRD PLACE AWARD**

Dr. Lessly Garza

Marquette University School of Dentistry

Research Advisor and Program Director:

Dr. Geoffrey A. Thompson

**CLAUDE R. BAKER FACULTY AWARD**

Dr. Mijin Choi, Chair Baker Award Committee

Dr. Fatemeh Afshari

2016 Recipient

**GARVER-STAFFANOU PROSTHODONTIC PROGRAM**

**DIRECTOR'S AWARD FOR EXCELLENCE**

Dr. William Nagy, Chair, Garver-Staffanou Award Committee

Dr. Hiroshi Hirayama

2016 Recipient

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

Dr. Nadim Baba, Chair, George H. Moulton Award Committee

Dr. Carl Driscoll

2016 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.*



## DR. JOSÉ CARLOS DA ROSA

*Immediate Dentoalveolar Restoration (IDR):  
A 9-year Follow-up*

Friday, February 26, 2016 | 2:00 p.m.

### Synopsis:

Single tooth replacement in the esthetic zone has been one of the most common indications for implant placement. In cases of compromised sites with bone loss/gingival recession, the clinical scenario presents a different dilemma. The Immediate Dentoalveolar Restoration (IDR) is a technique that has been established to broaden indications for immediate loading on individual teeth. Through this new approach, tissue losses are reconstructed in the same surgical session as the implant placement and provisional crown installation, reducing the number of interventions and keeping predictability on esthetic aspects. In the lecture I will discuss the scientific basis, the step-by-step technique and its indications. The IDR technique, which advocates minimally invasive surgery and flapless procedures, is presented as a viable and reproducible alternative. I will present several clinical cases throughout this lecture with different complexities to develop a step-by-step explanation showing clinical, radiographic, and tomographic results. Some of these cases were followed for more than 9 years.

### Objectives:

- Improve their management of severe bone loss in compromised sockets.
- Understand the principles, the step-by-step technique and indications of the Immediate Dentoalveolar Restoration (IDR) concept.
- Understand the management of the graft and complete reconstruction of the alveolar defect.
- Understand the importance of appropriate emergence profile of the prosthetic crown in achieving stability of peri-implant tissues.
- Understand the modern concepts in implant-supported restorations

### Curriculum Vitae:

Dr. Da Rosa received his dental degree from the Federal University of Santa Maria – UFSM – Santa Maria/RS, Brazil, 1988. Specialization course in Periodontics, São Paulo Association of Dental Surgeons – APCD – Bauru/SP – Brazil, 1991. Specialization course in Prosthodontics, Center of Dental Research São Leopoldo Mandic – CPO SLMandic – Campinas/SP – Brazil, 2003. Master of Science in Prosthodontics, Center of Dental Research São Leopoldo Mandic – CPO SLMandic – Campinas/SP – Brazil, 2005. PhD in Oral Implantology, Center of Dental Research São Leopoldo Mandic – CPO SLMandic – Campinas/SP – Brazil, 2013. Author of the book “Immediate Dentoalveolar Restoration - Immediately loaded implants in compromised sockets”. Private Practice in Caxias do Sul/RS – Brazil



## **DR. ALI FAKHRY**

*Optimizing Esthetics with Immediate Implant Placement*

**Friday, February 26, 2016 | 2:50 p.m.**

### **Synopsis:**

This lecture offers a literature review and an overview of treatment considerations related to implant therapy in the anterior esthetic zone, with specific emphasis on the indications and advantages of immediate implant placement. Topics covered during the presentation include atraumatic tooth extraction strategies and extraction socket dynamics, alveolar ridge preservation strategies and the role of immediate implant placement in optimizing esthetics outcomes.

### **Objectives:**

- Understand factors critical to the successful diagnosis and treatment planning of implant restorations in the anterior esthetic zone;
- Understand the sequence of biological events that takes place subsequent to tooth extraction, and how these events can affect future implant therapy and management;
- Understand the indications and advantages of immediate implant placement;
- Understand the procedural imperatives in a restoration-driven approach to implant therapy.

### **Curriculum Vitae:**

Dr. Ali Fakhry received his dental degree from the University of Montreal in 1992. He then completed a dual training in Periodontics and Prosthodontics at the University of Pennsylvania and a Master's Degree in Oral Biology in 1999. Dr. Fakhry is currently an Associate Professor at McGill University, Faculty of Dentistry and maintains a part-time private practice limited to Periodontics and Prosthodontics in Montreal. Dr. Fakhry is a Diplomate of the American Board of Periodontology, the American Board of Oral Implantology, and a Fellow of the Royal College of Dentists of Canada. He is the author of several peer-reviewed scientific articles and the recipient of various teaching awards, including the 2007 American Academy of Periodontology Educator's Award. In addition to his academic commitments, Dr. Fakhry is a regular speaker at national and international venues with programs focusing on the multidisciplinary approaches to implant dentistry and microsurgery.



## **DR. GERMAN O. GALLUCCI**

*Digital Approach for Fixed Implant  
Rehabilitation in Edentulous Patients*

**Friday, February 26, 2016 | 4:10 a.m.**

### **Synopsis:**

The translation from digital (CBCT, intraoral scanning, and laboratory scanners) into the clinical field opens unaccounted number of treatment possibilities at the surgical and the prosthodontic level. The incorporation of such technologies calls for an update on implant-prosthodontic workflows to successfully achieve a full digital approach to implant dentistry.

### **Objectives:**

- Familiarize with the use of dental digital technology in implant dentistry.
- Understand the potential of Intraoral scanning in implant dentistry.
- Evaluate implant-prosthetic protocols in a fully digital workflow.

### **Curriculum Vitae:**

Dr. Gallucci is the Chair of the Department of Restorative Dentistry and Biomaterials Sciences and the Head of the Division of Regenerative and Implant Sciences at Harvard School of Dental Medicine. He obtained his Doctorate in Dental Medicine at the department of Prosthodontics, School of Dental Medicine at the University of Geneva, Switzerland. Dr. Gallucci actively participates in clinical research related to implant-prosthodontics and digital dentistry. His work has been published in international peer reviewed journals and he is member of the editorial board for several scientific dental journals. Dr. Gallucci participates as invited lecturer in International and national conferences and congresses. He is fellow of the International Team for Implantology (ITI), Switzerland, and active member of the Academy of Osseointegration (AO) - USA, European Academy of Osseointegration (EAO), Greater New York Academy of Prosthodontics, (GNYAP) and International Academy of Dental Research (IADR).



## **DR. DANIELE MANFREDINI**

*Prosthodontic Planning in TMD and  
Bruxism Patients*

**Saturday, February 27, 2016 | 8:00 a.m.**

### **Synopsis:**

The etiological role of dental occlusion abnormalities in the pathogenesis of temporomandibular disorders (TMD) and bruxism was dismantled years ago. At present, there are no doubts that irreversible changes to dental occlusion by means of prosthodontic or orthodontic rehabilitations cannot be recommended for the management or even the prevention of such conditions. In the clinical setting, it is quite frequent that patients with TMD symptoms or with severe bruxism-related signs should require or request prosthodontic treatment based on indications that are unrelated to TMD, such as esthetic or functional reasons. Those patients should be managed carefully, and the prosthodontic specialist approaching such individuals should have a good know-how of the current concepts about TMD and bruxism.

In practice, a diagnosis of the temporomandibular joint (TMJ) and jaw muscles' condition should precede the prosthodontic planning and, in an ideal condition, the prosthodontic treatment should be initiated after relief of symptoms. Within this picture, bruxism is a phenomenon that may muddy the waters. Indeed, bruxism may be a combination of clenching-type and grinding-type muscle activities, which may have different etiology and clinical consequences.

### **Objectives:**

- Give a quick overview of the relationship of dental occlusion with TMD and bruxism
- Provide some clinical suggestions on the strategy to plan prosthodontic treatment in patients with TMD pain
- Suggest recommendations for a safe rehabilitation on natural teeth- and implant-supported restorations in bruxers

### **Curriculum Vitae:**

Dr. Daniele Manfredini received his DDS from the University of Pisa, Italy in 1999, an MSc in Occlusion and Craniomandibular Disorders in 2001 from the same University, and a PhD in Dentistry from the ACTA Amsterdam, The Netherlands, in 2011. He was a clinical fellow at the Section of Prosthetic Dentistry, Department of Neuroscience, University of Pisa, Italy until 2005. Since 2006, Dr. Manfredini has been Assistant Professor and coordinator of the research projects at the TMD Clinic, Department of Maxillofacial Surgery, University of Padova, Italy.

On January 2014, the Italian Ministry of University and Research (MIUR) appointed him as an Associate Professor by scientific merit at the age of 38. Dr. Manfredini authored more than 120 papers in the field of bruxism and temporomandibular disorders in journals indexed in the Medline database. He also edited the book "Current concepts on temporomandibular disorders" (Quintessence Publishing, 2010), including contributions from 45 world-renowned experts, and co-authored several textbooks on the same topics. Based on publication ratings, from November 2013, the US agency Expertscape ranked Dr. Manfredini as world #1 expert in the field of temporomandibular joint disorders, and #3 in the field of bruxism.



## **DR. RADI MASRI**

*Maximizing Clinical Implications and Applications of Mandibular Flexure.*

**Saturday, February 27, 2016 | 8:50 a.m.**

### **Synopsis:**

Opening movement of the mandible is primarily mediated by contraction of the lateral pterygoid muscles. When they contract, the lateral pterygoids pull the mandible downwards, but they also pull both sides of the mandible medially, resulting in significant narrowing of the arch (flexure).

Mandibular flexure is important to consider when fabricating conventional and implant retained prosthesis, especially when the prosthesis is connected, and extends bilaterally. In this presentation, scientific evidence investigating the clinical implications of mandibular flexure will be reviewed and innovative applications that exploit mandibular flexure to harvest energy will be discussed..

### **Objectives:**

- To understand mandibular flexure
- To recognize clinical challenges caused by mandibular flexure
- To become familiar with technological advances that take advantage of mandibular flexure

### **Curriculum Vitae:**

Dr. Masri received his first dental degree from the University of Jordan Dental School in 1997 and completed a prosthodontic residency at the University of Maryland, College of Dental Surgery in 2001. Dr. Masri has a Master degree in oral biology and a PhD in biomedical sciences. He is a Diplomate of the American Board of Prosthodontics, a fellow of the American College of Prosthodontists, a member of the American Academy of Fixed Prosthodontics and a fellow of the Academy of Prosthodontics.

In addition to being an expert in fixed, removable and implant dentistry, Dr. Masri is a dedicated academician and researcher. Dr. Masri is an Associate Professor at the Baltimore College of Dental Surgery and at the University of Maryland Medical School. He lectures nationally and internationally and serves as an external examiner for international dental schools in the field of prosthodontics. He is the Associate Editor in Chief of the Journal of Prosthodontics and the chairman of the American College of Prosthodontics Research Committee. Dr. Masri has authored numerous scientific papers and currently supervises a federally funded research laboratory that studies the etiology and treatment of chronic pain.

Dr. Masri received many honors including the 2013 American College of Prosthodontist Clinician Research Award and the 2015 Maryland LIFE Award for the most promising technology. In 2014, he was elected as a Director Elect for the American Board of Prosthodontics.



## **DR. DAVID GUICHET**

*Harness the Power of Digitally Enhanced  
Implant Dentistry*

**Saturday, February 27, 2016 | 10:10 a.m.**

### **Synopsis:**

Traditional methods of creating restorations have been replaced by digital processes and are forever changed. The multiple technologies of 3D CBCT imaging, intraoral scanning, laboratory scanning, 3D digital restorative design and CAD/CAM production have contributed to this trend. Simultaneously, restorative materials have been introduced that have improved strength and esthetic qualities. Integration of these capabilities creates opportunities for enhanced restorative performance, decreased costs, and practice efficiency.

This presentation will highlight a practice-based model centered on digitally enhanced treatment. Many elements of the digital workflow including, digital treatment planning using merged datasets, linked digital workflows, guided implant surgery, CAD/CAM abutment and restorative design will be presented in the context of new possibilities for efficient and predictable esthetic restorative outcomes. Additionally, expanded treatment options will be presented utilizing new evolutionary implant system designs. The goal of treatment success is based upon the thoughtful application of these technologies to the patients' specific needs.

### **Objectives:**

- Become familiar with digital treatment protocols in contrast to traditional workflows
- Become familiar with digital technologies that enhance treatment outcomes
- Be aware of the uses and limitations of digital restorative design and CAD/CAM production
- Understand the trends in esthetic implant restorative material selection and design options

### **Curriculum Vitae:**

Dr. David Guichet is a Diplomate of the American Board of Prosthodontics and a graduate of the Maxillofacial Prosthetics Residency at UCLA. He completed a Prosthodontic Residency at the VAMC Wadsworth in West LA, a GPR at the VAMC in Long Beach CA, and received a DDS from UCLA. Dr. Guichet served as program chair for the Academy of Osseointegration, the American College of Prosthodontists and the Pacific Coast Society for Prosthodontics. He served as editor for the Academy of Osseointegration News and as past president of the Osseointegration Foundation and the Orange County Dental Society. He is the Director of Continuing Professional Education for the ACP and is on the Board of Councilors for the PCSP





## **DR. ISTVAN URBAN**

*New Perspectives on Vertical And  
Horizontal Augmentation*

**Saturday, February 27, 2016 | 11:00 a.m.**

### **Synopsis:**

Vertical and horizontal augmentation presents one of the greatest challenges of bone regeneration in implant dentistry. This is primarily due to the difficulty of the surgical procedure and its potential complications. Patient selection, patient preparation for surgery, precise surgical techniques and postoperative management are the key factors in reducing the rate of bone graft complications.

### **Objectives**

- Understand indications, patient selection and treatment alternatives for vertical and horizontal ridge augmentation
- Learn a comprehensive approach for the anterior maxillary vertical defect
- Learn the surgical anatomy of the floor of the mouth and the successful surgical technique of the posterior mandible

### **Curriculum Vitae:**

Dr. Urban received his DMD degree and subsequently his MD degree from Semmelweis University School of Medicine and Dentistry (Budapest, Hungary) in 1991 and 1996.

He completed a residency program in oral surgery at St. Istvan Hospital in Budapest, Hungary (1992-1996). He completed his internship program in Periodontics at UCLA. After he graduated from the Fellowship Program (1999-2000) in Implant Dentistry at Loma Linda University in Loma Linda, California, he was appointed assistant professor the following year. Dr. Urban teaches implant dentistry in the graduate program at Loma Linda University. He is licensed in the state of California (USA) and has a private practice in Budapest, Hungary.

Dr. Urban received his PhD degree in Periodontology in 2012 at the University of Szeged, Hungary. He is currently an associate professor in Periodontology at the University of Szeged. He has published scientific articles and text book chapters on bone regeneration and soft tissue reconstructive surgery around dental implants. He is an invited speaker internationally in the field of Implant Dentistry.



## **DR. CARLO POGGIO**

*Interdisciplinary Management of Oral Rehabilitation: What Is Important?*

**Saturday, February 27, 2016 | 1:20 p.m.**

### **Synopsis:**

The interaction between different specialties is a common treatment modality in patients with severely mutilated dentitions as well as in those with more limited clinical conditions but with high esthetic demands. In theory, every oral rehabilitation should be better approached by a multidisciplinary treatment. Unfortunately, quite often treatment management may be frustrating and the interaction between different specialties may lead to additional problems instead of additional solutions: “fuzzy” exposure to even the highest state of the art treatment in each discipline may result in enormous waste of time and money with far from ideal results. Optimal multidisciplinary or interdisciplinary management should maximize treatment results by synergizing the knowledge, skills and possibilities of all the different dental disciplines at the same time minimizing frustrations and shortcomings that may occur in treatment management. A good knowledge of what is really important and of possible interactions with other disciplines should be mandatory to the prosthodontist to incorporate a comprehensive treatment approach into everyday treatment and to be able to lead an interdisciplinary treatment plan.

### **Objectives:**

- Identify possible interdisciplinary interactions that can enhance the outcome of prosthodontic treatment
- Identify treatment sequence in interdisciplinary treatments
- Lead an interdisciplinary team

### **Curriculum Vitae:**

Carlo E. Poggio holds a DDS, a PhD in Anatomy and an MSc in Orthodontics. After completion of academic studies he underwent clinical training in Prosthodontics, Implant and Perio surgery and Adult Orthodontics, and focused himself on interdisciplinary treatment of complex and high esthetic demands patients. He is a Visiting Professor at the Department of Prosthodontics Eastman Institute for Oral Health, University of Rochester (NY) and a Visiting Professor for Interdisciplinary Treatments in the Postgraduate Program in Orthodontics at the University of Milan. He is an Active Member of the Italian Academy of Prosthetic Dentistry (AIOP), of the Italian Society of Orthodontics (SIDO) and of the Italian Society of Periodontology and Implantology (SIDP), a member of the Cochrane Oral Health group (Manchester, UK), as well as fellow of several national and international dental associations. He is a member of the Executive Board of AIOP and of CIC (Italian Committee Representing Dental Scientific Societies). He has published several articles in peer-reviewed journals and lectured extensively in Italy and abroad on topics related to interdisciplinary treatment planning in dentistry, occlusion and management of TMD patients, metal free prosthodontic materials and the use of dental implants in complex interdisciplinary rehabilitations.



## **DR. CHRISTIAN COACHMAN**

*The Smile Design Revolution: Communication, Planning, Implementation and Management.*

**Saturday, February 27, 2016 | 2:10 p.m.**

### **Synopsis:**

The goal of this presentation is to share a conceptual protocol for clinicians and technicians that strengthens our skill in performing extraoral and intraoral esthetic diagnosis and structural evaluation and gives us the tools and language we need to communicate more effectively with the other members of the treatment team. Furthermore, the protocol allows clinicians to educate and motivate their patients, enhances their patients' visual perception, and ultimately increases case acceptance.

### **Objectives:**

- Become a better Smile Designer, a primary principle of any modern treatment plan (Facially Driven Treatment Plan).
- Implement a realistic team communication protocol, because communication is the key to genuine functional interdisciplinary dentistry (The Asynchronous Communication Protocol).
- Interact with the patients to enhance the value of our treatment and increase case acceptance through the new concept of Emotional Dentistry.
- Link the beautiful Smile Design process to the actual treatment using a simple and effective Digital Workflow that will connect the 2D drawings of the Digital Smile Design Concept to 3D software systems such as CAD/CAM, 3D orthodontics, and guided surgery.

### **Curriculum Vitae:**

Dr. Christian Coachman graduated in Dental Technology in 1995 and in Dentistry at the University of São Paulo, Brazil in 2002. He is a member of the Brazilian and American Academy of Esthetic Dentistry. Moreover, Dr. Coachman attended the Ceramic Specialization Program at the Ceramoart Training Center, where he also became an instructor. In 2004, Dr. Coachman was invited by Dr. Goldstein, Garber, and Salama, of Team Atlanta, to become Head Ceramist of their laboratory, a position he held for over 4 years.

Dr. Coachman currently works at his family Dental Clinic in Sao Paulo, Brasil, together with his father, uncle and brother. He also works as a consultant for dental companies and offices, developing products and implementing concepts and has lectured and published internationally in the fields of esthetic dentistry, dental photography, oral rehabilitation, dental ceramics and implants. He is the developer of techniques such as the Pink Hybrid Implant Restoration and the Digital Smile Design Concept.



## **DR. MICHAEL DITOLLA**

*Update on Monolithic Restorations and  
CAD/CAM Laboratory Technology*

**Saturday, February 27, 2016 | 3:00 p.m.**

### **Synopsis:**

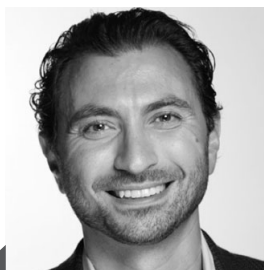
From 1960 to 2007 the PFM crown was the go-to restoration for nearly every dentist, and today both lithium disilicate and solid zirconia crowns each outsell the PFM crown. These monolithic restorations are high-strength, cementable all-ceramic restorations that have no veneering ceramics. That truly is a revolution in a field where porcelain has been a part of nearly every restoration we have placed with the exception of cast gold. CAD/CAM technology has made these restorations more consistent in terms of fit, contact and occlusion. Even though many dentists who have been practicing for 15 or more years have been burned by at least one all-ceramic system in the past, amazingly the fracture rates for these monolithic all-ceramic restorations are second only to cast gold

### **Objectives:**

- Be familiar with the strengths and weaknesses of monolithic and bi-layered restorations, especially with regard to indications, contraindications, preparation design, and methods of fabrication.
- Be prepared to de-contaminate these restorations, select the correct primer or silane, and determine the most appropriate cement.
- Understand how to adjust contacts and occlusion without causing phase transformation, learn the safest way to cut off these restorations, and be familiar with the specialty burs and polishers for these restorations

### **Curriculum Vitae:**

A 1988 graduate of University of the Pacific Arthur A. Dugoni School of Dentistry, Dr. DiTolla was awarded his Fellowship in the AGD program in 1995. In 2001, he became Director of Clinical Education at Glidewell Labs, and was instrumental in the clinical development of BruxZir Solid Zirconia. Dr. DiTolla has been the editor of Chairside Magazine since 2006 and also writes a column on restorative dentistry for Dental Economics. Dr. DiTolla received the 2011 Dr. Bicuspid Dental Excellence Award for "Most Effective Dentist Educator." Dr. DiTolla became a clinical evaluator for CR in 2004, and became a Project Director in 2013. He is currently giving "Dentistry Update" lectures for CR and is an advisor to the CR Board of Directors.



## **DR. WAEL N. GARINE**

*The edentulous Arch: Options, Materials, and Limitations*

### **RESERVE SPEAKER**

#### **Synopsis:**

Edentulism is projected to increase in the US over the next decade. Multiple treatment options are available to the clinician ranging from removable to fixed prosthetics. Currently, there is confusion over the guidelines to treatment, procedures, and material selection.

This program will present a systematic decision making approach to the treatment options of the edentulous arch. In addition, different material choices will be discussed. Current literature will be analyzed to highlight the pros and cons, predictability, and limitations of restorative materials used for the edentulous arch.

#### **Objectives:**

- Revisit the current treatment options for the edentulous patient
- Present a systematic method to help with the decision making process for the treatment of the edentulous patient
- Discuss the advantages and disadvantages of the currently available restorative materials for treatment of the edentulous patient

#### **Curriculum Vitae:**

Dr. Garine graduated from Cairo University School of Dentistry in Egypt in 1996. In 1998 Dr. Garine joined the Dental School at the University of Western Ontario, in London - Ontario, where he obtained his DDS. Graduating first in his class, Dr. Garine received the Dr. Gerald Z. Wright Award for excellence in the year 2000. He then joined the Eastman Dental Center at the University of Rochester, in NY where he spent three years specializing in the area of Prosthodontics. Dr. Garine spent the following year teaching at the University of Rochester and completed the Implant Fellowship, for which, he received the Dr. Gerald N. Graser Fellowship Award in 2004.

Dr. Garine's research in implant dentistry has received several awards and was published in the International Journal of Oral and Maxillofacial Implants in 2007. Dr. Garine is the Director of the Seaside Study Club (In Jupiter, FL), a chapter of the Seattle Study Club, and a clinical assistant professor at the University of Rochester, Rochester, NY.

He maintains a private practice in Jupiter, FL limited to Prosthodontics and implant dentistry.

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FEBRUARY 24 AND 25, 2017

*“Navigating New Frontiers in Prosthodontics”*

Wael Att:

*“Three-Dimensional Engineering In Dentofacial Rehabilitation”*

Stephen Chu:

*“Prosthodontic Strategies for Maintaining Soft Tissue Esthetics Around Single-Tooth Anterior Implants”*

Lyndon Cooper:

*“The Impact of Technology on The Prosthodontic Frontier”*

Mauro Fradeani:

*“The Prosthetic Rehabilitation: Tradition vs. Innovation”*

Gerald Grant:

*“The Digital Dental Thread: Where Are We Going with This?”*

Matthias Kern:

*“Bonding Capacity of Luting Agents to Alloys and Ceramics in Adhesive Prosthodontics”*

Martijn Moolenaar:

*“Managing the Three-Dimensional Tissue Profile around Implants in The Esthetic Zone”*

Michael Ragan:

*“Navigating New Exposures in Prosthodontics”*

Irena Sailer:

*“Fixed Prosthodontics in The Era of CAD/CAM – Are Conventional Restorations Outdated?”*

Dennis Tarnow:

*“Immediate vs. Delayed Socket Placement:  
Where Are We Today?”*

Mahmoud Torabinejad:

*“Factors Affecting Treatment Planning for Root Canal Treatment  
or Dental Implant”*

Eric Van Dooren:

*“New Opportunities for Enhancement in the Esthetic Zone”*

Peter Wohrle:

*“Integrated Treatment Flow: Treatment Planning and Execution for Improved  
Prosthetic Outcome”*

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