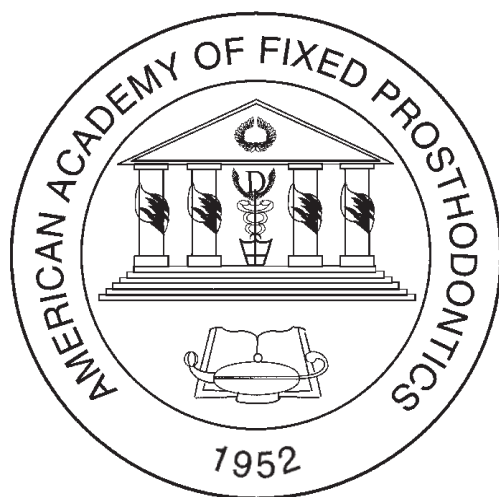


# **THE AMERICAN ACADEMY OF FIXED PROSTHODONTICS**



## **REVOLUTIONARY TECHNOLOGIES AND FUNDAMENTAL CONCEPTS**

### **64<sup>TH</sup> ANNUAL SCIENTIFIC SESSION**

Friday, February 27, 2015

Saturday, February 28, 2015

CHICAGO MARRIOTT DOWNTOWN

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

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### TENTATIVE FUTURE MEETING DATES

February 26-27, 2016  
February 24-25, 2017  
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.

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AAFP is an approved not-for-profit organization registered in the state of Illinois: #23-7349704

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

2015 PLATINUM SPONSOR



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2015 BRONZE SPONSOR



## 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 Ptack.....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

---

\* Deceased



## **DR. JACK LIPKIN**

### **President, 2014-2015**

On behalf of the American Academy of Fixed Prosthodontics, it gives me great pleasure in welcoming all Members, Residents, Exhibitors, Guests, and Meeting Sponsors, to the 64th Annual Scientific Meeting. Long recognized as the premier winter Continuing Education Meeting, our AAFP Program Co-chairs, Drs. Jane Brewer and Jennifer Kuracina, have brought together a most impressive group of renowned expert lecturers to present to our Academy over the next two days.

Drs. Kuracina and Brewer have targeted a key issue for all Dentists, in the creation and development of this Scientific session. How do we as practitioners, in the Art and Science of Dentistry and Fixed Prosthodontics, follow and adapt to the tremendous advances in technology that have occurred in our profession? This meeting will explore the revolution in technology in Dentistry, that is taking place at such a rapid pace, while reinforcing the basic concepts of Prosthodontics, that have allowed all of us to deliver the utmost of care, to our patients, up to this point in time.

We owe a huge debt of gratitude to our Academy Secretary Dr. Stephen Rosenstiel, Academy Treasurer and Secretary for Guests Dr. Rick Jordan, and Meeting Director Dr. Igor Pesun, who work tirelessly for months on end, to make this meeting the premier Prosthodontic meeting on the C.E. calendar. Their work is done out of the limelight, but so crucial to the success of this meeting. To our Meeting Sponsors and Exhibitors; thank you again for your continued support of our Academy. Without your assistance and attendance, our meeting would not be the success that it is.

Very special thanks to Dr. Julie Holloway, our Immediate Past President. Dr. Holloway has been incredibly supportive and helpful to me as I entered my presidential year. Julie's guidance and mentorship has been most appreciated. No Dental meeting of this size can be successful without an Exhibits Hall, and we are so grateful to Dr. Shereen Azer for all of his hard work, efforts and talent in making the Exhibit Hall the success that it is. Special thanks to Dr. Sarit Kaplan for her incredible energy, skill, and organizational ability as Chairperson of the immensely popular Poster Presentations.

Our Academy board meetings could not run efficiently, and I would say not at all, without the phenomenal guidance and assistance of Dr. Martin Land. Martin's understanding of the constitution, bylaws, and guidelines of the Academy is unsurpassed, and we are all the beneficiaries of his treasure trove of knowledge.

In this day and age, no organization can function without a proper website. The AAFP has been so very fortunate to have Dr. Radi Masri in charge of the website for the past few years. In his capable hands, he has transformed it from its basic beginnings to a very functional and attractive website, all the while working under significant budgetary constraints. Our Local Arrangements Chair, Dr. Damian Lee, and his committee, are most appreciated as they have put in place all the amenities needed for a well-functioning meeting. Many thanks to Dr. Jim Dunne, our Budget and Finance Chair, who makes sure that we stay the course financially; his work is absolutely crucial in keeping our books "in the black".

Our Academy is constantly striving to become the best that we can be. The Officers and Board of Directors of the Academy are having ongoing conversations about our future and how we are going to position ourselves for the next ten years and beyond. To that end, we are making great headway in establishing the foundation for Internet , web based, AAFP branded, CE lectures, which would become available via our website. Stay tuned!

I would like to take this opportunity to thank Dr. Steve Morgano, President-Elect , and Dr. Gerry Santulli, Vice President for all of their insight, wisdom and advice that they have so generously shared with me over the past many years. The Academy is in great hands with both of them in leadership positions. The collective knowledge, foresight and practical thinking of the 2014 Board of Directors of the AAFP is at the core of our success. Thanks go to Drs. Sarita Artega, Radi Masri, Elena Nazarova, Alejandro Peregrina, Sangeetha Raghavendra, Ariel Raigrodski, Patchanee Rungruanganunt. Your collective efforts and hard work are so important and valued.

The Academy is always looking for members to volunteer and serve on the various committees. If you have a desire to work for this incredible organization, please do not hesitate to contact Drs. Steve Morgano or Gerry Santulli.

Please come early to the meeting and enjoy the amazing breakfast that is served each morning, in addition to the time allowed to see the Exhibits and to socialize with your colleagues. Our social events are especially important, as they are designed, with you in mind. Please explore, learn, meet new colleagues, take it all in, and have fun.

It has been an honour and privilege to serve as your President of the American Academy of Fixed Prosthodontics.

A handwritten signature in black ink that reads "Jack Lipkin". The signature is written in a cursive, flowing style with a large, prominent "J" and "L".

Jack Lipkin, President



**OFFICERS AND DIRECTORS 2014-2015**  
**STANDING COMMITTEES 2014-2015**  
**AMERICAN ACADEMY OF FIXED PROSTHODONTICS**

**President**

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**Past President**

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**Secretary**

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Sangeetha Raghavendra  
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650 W. Baltimore St., 6 North, Office #6253 Baltimore, MD 21201  
Phone: 410-706-7047 | Email: rmasri@umaryland.edu

## CREDENTIALS COMMITTEE

Avi Bidra 2017, Chair

Ken Chen 2017, Secretary

Caroline Nguyen 2015

Nick Abu Jamra 2016

Aaron Kim 2017

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Jennifer Kuracina 2015

Carlo Ercoli 2016

Nadim Baba 2016

David Burns 2017

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Judy Yuan 2017

Fatemeh Afshari 2017

Alex Chan 2017, AV Consultant

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Radi Masri 2015

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Jesse Bullard 2017

Denny Smith 2017

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Marianella Sierraalta 2019  
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Geoff Thompson 2019

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Gerry Santulli 2015

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John Townsend, Ad hoc

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Duane Douglas 2017  
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Gerry Santulli 2016, Vice-President, Ex Officio  
Rick Jordan, Treasurer, Ex Officio

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Ariel Raigrodski 2017  
Stephen Rosenstiel, Ex Officio

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Aaron Kim 2018  
Art Rodriguez 2018  
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Larry Brandau, Photographer  
Sarita Arteaga, Ad hoc

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Vinny Huang 2016

## CLAUDE R. BAKER TEACHING AWARD IN FIXED PROSTHODONTICS

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Vanessa Swain 2017  
Art Rodriguez 2017

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Caroline Nguyen 2016  
Garima Talwar 2017

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

Bill Nagy Chair 2017  
Gerald Ziebert 2015  
Craig Neitzke 2015  
Mathew Kattadiyil 2016

## EXHIBITS COMMITTEE

Shereen Azer, 2015, Chair  
Stephen Raney 2016  
Darshanjit Pannu 2017

## RESEARCH IN FIXED PROSTHODONTICS

### **Committee A:**

Nadim Baba 2016, Chair  
Charlene Solomon 2016  
Steve Morgano 2016

### **Committee B:**

Ghadeer Thalji 2015, Chair  
Cornell Lee 2015  
Kevin Plummer, Ex Officio

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### **AD HOC COMMITTEE FOR CORPORATE SUPPORT**

J. Robert Kelly, Chair  
Shereen Azer  
Alejandro Peregrina  
Jack Lipkin

### **AD HOC COMMITTEE FOR DENTAL LABORATORY TECHNICIAN SUPPORT**

Burney Croll, Chair  
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  
Julie Holloway, 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	*date listed is date awarded - award adjudicated in the preceding year
1995: Fonda G. Robinson	
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		

## 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

## 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

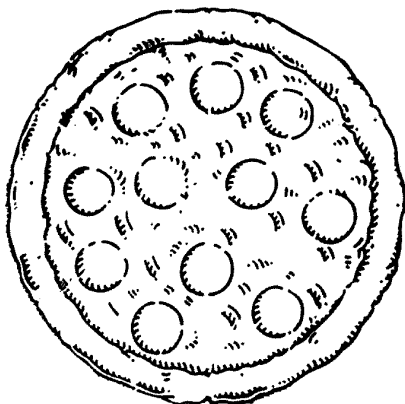
## HONORARY MEMBERS

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 Stromboli and Drinks*



**THURSDAY, FEBRUARY 26, 2015**

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

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

**5:00 - 7:00 PM**

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

Attendance at these events is restricted to Academy Members.

# Past Presidents and New Members Breakfast

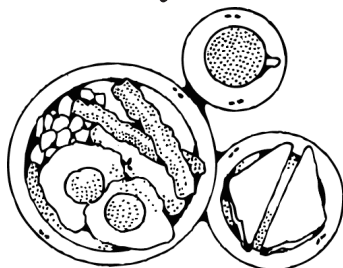
**SATURDAY, FEBRUARY 28, 2015**

**7:00 AM,**

*Lincolnshire Room*

Salon I & II (6th Floor)

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



## 2015 PROGRAM CO-CHAIRS



Dr. Jane Brewer & Dr. Jennifer Kuracina

## 2016 PROGRAM CO-CHAIRS



Dr. Carlo Ercoli & Dr. Nadim Baba

## 2014 PROGRAM CHAIR



Dr. Nancy Chaffee

## EXHIBITOR DIRECTORY

### Dr. Shereen Azer, Chair Exhibits Committee

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

#	Company	Booth
1.	American Express	117
2.	Atlantic Precious Metal Refining	136
3.	BioHorizons	126
4.	Biomet 3i*	134-135
5.	Brasseler USA	104
6.	Cusp Dental Research, Inc.	102
7.	DDS Refining	116
8.	DENTSPLY Implants*	120-121
9.	Designs for Vision, Inc.	100
10.	Elsevier	105
11.	GC America	127
12.	Ivoclar Vivadent*	128-129
13.	Kuraray America, Inc.	103
14.	Nobel Biocare*	130-131
15.	Panadent	101
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18.	SAM Präzisionstechnik GmbH	133
19.	Sirona Dental, Inc.	137
20.	Thommen Medical	115
21.	Valley Dental Arts, Inc.	114
22.	Whip Mix Corporation	118-119
23.	Yodle	132
24.	Zimmer Dental	124

\* Sponsors

## POSTER PRESENTATIONS PROGRAM AAFP 2015

The American Academy of Fixed Prosthodontics  
64TH Annual Scientific Session  
Friday, February 27, 2015  
The Chicago Marriott Hotel Downtown  
5:15 - 7 :00 p.m. Chicago Ballroom, 5th Floor

1. Tylman Award winner - First Place:  
Dr. Aurora Dibner  
Title: Fatigue Strength of Bi-layered Ceramics Under Cyclic Loading as a Function of Core Veneer Thickness Ratios  
Institution: University of Connecticut  
Research Advisor: Dr. Robert Kelly  
Program Director: Dr. Avinash Bidra  
E-mail: [acdibner@optonline.net](mailto:acdibner@optonline.net)
2. Tylman Award Winner - Second Place:  
Dr. Despoina Bompolaki  
Title: Fracture Resistance of Lithium Disilicate Restorations Following Endodontic Access Preparation; An In-vitro Study  
Institution: Baylor College of Dentistry, Texas  
Research Advisor: Dr. William Nagy  
Program Director: Dr. William Nagy  
E-mail: [bompolaki@gmail.com](mailto:bompolaki@gmail.com)
3. Tylman Award winner - Third Place:  
Dr. Lisa N. Hoang  
Title: Accuracy and Precision of Die Spacer Thickness With Combined Computer-Aided Design and 3D Printing Technology  
Institution: Marquette University School of Dentistry  
Research Advisor: Dr. Geoffrey A. Thompson  
Program Director: Dr. Geoffrey A. Thompson  
E-mail: [lisa.hoang@marquette.edu](mailto:lisa.hoang@marquette.edu)
4. The Esthetic Abutment: Boon or Bane?  
Presenter: Dr. Faye Mascarenhas  
Institution: The Ohio State University  
Research Advisor: Dr. Damian Lee  
Program Director: Dr. Damian Lee  
E-mail: [mascarenhas.13@osu.edu](mailto:mascarenhas.13@osu.edu)
5. The effect of Various Core Build-Up Materials on the Polymerization of Elastomeric Impression Materials  
Presenter: Dr. Faris Z. Jamjoom  
Institution: The Ohio State University  
Research Advisor: Dr. Damian Lee  
Program Director: Dr. Damian Lee  
E-mail: [jamjoom.1@osu.edu](mailto:jamjoom.1@osu.edu)
6. Digital Workflow for Classic Materials  
Presenter: Dr. Gustavo E. Lores  
Institution: Naval Dental School, Bethesda, Maryland  
Research Advisor: Dr. Anton Petrich  
Program Director: Dr. Anton Petrich  
E-mail: [Gustavo.e.lores.mil@mail.mil](mailto:Gustavo.e.lores.mil@mail.mil)

## 2015 POSTER PROGRAM CONTINUED

7. Comparison of Internal Fit of Restorations Milled from Different Materials  
Presenter: Dr. Bryan Paul Rasmussen  
Institution: Naval Dental School, Bethesda, Maryland  
Research Advisor: Dr. Anton Petrich  
Program Director: Dr. Anton Petrich  
E-mail: bryan.p.rasmussen.mil@mail.mil
8. Comparison of Fabrication Methods for FDP Frameworks Utilizing a Digital QA Process  
Presenter: Dr. James C Lish  
Institution: Naval Dental School, Bethesda, Maryland  
Research Advisor: Dr. Anton Petrich  
Program Director: Dr. Anton Petrich  
E-mail: jameslishdds.prosthodontics@gmail.com
9. Intra-Oral Scanners: Are They Created Equal?  
Presenter: Dr. Joshua C. Treesh  
Institution: Naval Dental school, Bethesda, Maryland  
Research Advisor: Dr. Anton Petrich  
Program Director: Dr. Anton Petrich  
E-mail: Joshua.c.treesh.mil@mail.mil
10. Interdisciplinary Approach to the Esthetic and Functional Rehabilitation of Worn Dentition  
Presenter: Dr. Celin Arce and Dr. Daniel Givan  
Institution: University of Alabama  
Research Advisor: Dr. Keith Kinderknecht  
Program Director: Dr. Keith Kinderknecht  
E-mail: celin@uab.edu and dgivan@uab.edu
11. Influence of Tooth Shape on Perceived Personality  
Presenter: Dr. Anthony Pallotto  
Institution: University of Illinois  
Research Advisor: Dr. Cortino Sukotjo  
Program Director: Dr. Kent L. Knoernschild  
E-mail: Ampallotto@gmail.com
12. The Spider Access Screw Finder  
Presenter: Dr. Fouad Badr  
Institution: University of Minnesota  
Research Advisor: Dr. Heather Conrad  
Program Director: Dr. Heather Conrad  
E-mail: badrx006@umn.edu
13. Dental Erosion by Popular Bottled Drinking Water: Devil is in the Details  
Presenter: Dr. Upoma Guha  
Institution: University of North Carolina  
Research Advisor: Dr. Terence Donovan  
Program Director: Dr. Terence Donovan  
E-mail: Upoma\_Guha@unc.edu

## 2015 POSTER PROGRAM CONTINUED

14. Review of Methods to Prevent and Minimize Excessive Cement on Implants  
Presenter: Dr. Tyler Thomas  
Institution: University of Connecticut  
Research Advisor: Dr. Avinash Bidra  
Program Director: Dr. Avinash Bidra  
E-mail: tythomas@uchc.edu
15. An Esthetic Evaluation of Incisal Display at Repose  
Presenter: Dr. Jee Kim  
Institution: US Army Prosthodontic Residency, Ft. Gordon, Georgia  
Research Advisor: Dr. Servando Ramos  
Program Director: Dr. Servando Ramos  
E-mail: pauljeekim@gmail.com
16. Chair-side Fabrication of Custom Healing Abutment After Immediate Implant Placement  
Presenter: Dr. Roberta A. Wright  
Institution: University of Connecticut  
Research Advisor: Dr. Avinash Bidra  
Program Director: Dr. Avinash Bidra  
E-mail: rowright@uchc.edu
17. Surgical Disadvantages and Management of Early Implant Placement in the Esthetic Zone  
Presenter: Dr. Jessica K. Hsieh  
Institution: University of Connecticut  
Research Advisor: Dr. Avinash Bidra  
Program Director: Dr. Avinash Bidra  
E-mail: jhsieh@uchc.edu
18. Management of Surgical Mishap with a CT-generated Guide to Restore an Edentulous Maxilla: A Case Report  
Presenter: Dr. Amani Alsaery  
Institution: The Ohio State University  
Research Advisor: Dr. Damian Lee  
Program Director: Dr. Damian Lee  
E-mail: Amani\_alsaery@hotmail.com
19. Oral Rehabilitation of Severely Worn Dentition in a Patient with Secondary Sjogren's Syndrome  
Presenter: Dr. Youssef S. Al Jabbari  
Institution: College of Dentistry, King Saud University, Riyadh, Saudi Arabia  
E-mail: youssef14@hotmail.com
20. Is There a Relationship Between the Axis Orbital plane and the Incisal Inclination of the Maxillary Central Incisors? An In-vivo Study  
Presenters: Dr. P'Jay Merrell and Dr. Steven Williams  
Institution: Baylor College of Dentistry, Texas  
Research Advisor: Dr. William Nagy  
Program Director: Dr. William Nagy  
E-mail: pjaymerrell@yahoo.com and sawilliams@bcd.tamhsc.edu

## 2015 POSTER PROGRAM CONTINUED

21. Smile Design Through Use of the Recurring Esthetic Dental (RED) Proportion  
Presenters: Dr. Edward Palos and Dr. Prokopios Antonellis  
Institution: Baylor College of Dentistry, Texas  
Research Advisor: Dr. William Nagy  
Program Director: Dr. William Nagy  
E-mail: epalos@bcd.tamhsc.edu and pantonellis@bcd.tamhsc.edu
22. Prosthetic Management for External Hex Implant Complication: A Clinical Report  
Presenters: Dr. Viet Ho and Dr. Brian Aguirre  
Institution: Baylor College of Dentistry, Texas  
Research Advisor: Dr. William Nagy  
Program Director: Dr. William Nagy  
E-mail: vi3t.ho@gmail.com and bca410@gmail.com
23. Pressed IPS e.max Crowns Fabricated from CAD/CAM Acrylic Copings: A SEM Assessment  
Presenters: Dr. James C. Fischer and Dr. Stephanie Zeller  
Institution: Baylor College of Dentistry, Texas  
Research Advisor: Dr. William Nagy  
Program Director: Dr. William Nagy  
E-mail: jfischer@bcd.tamhsc.edu and szeller@bcd.tamhsc.edu
24. Emergency Provisionalization for FDP Implant Fracture. A Case Report  
Presenter: Dr. Andreina Cordido Enriquez  
Institution: Baylor College of Dentistry, Texas  
Research Advisor: Dr. William Nagy  
Program Director: Dr. William Nagy  
E-mail: acordido@tamu.edu
25. A Contemporary Approach of the Rehabilitation of the Severely Worn Dentition  
Presenters: Dr. Anastasia Katsavochristou and Dr. Juliana Castro  
Institution: University of Michigan  
Research Advisor: Dr. Michael Razzoog  
Program Director: Dr. Michael Razzoog  
E-mail: ankatsa@umich.edu and jcaslap@umich.edu
26. Rehabilitation of Edentulous Maxilla with Implant-supported Fixed-Prosthesis Using CAD/CAM Techniques  
Presenters: Dr. Bin Yang and Dr. Hai Qing  
Institution: University of Illinois  
E-mail: yangbin@uic.edu and HQing@dental.temple.edu
27. Replacing Hard and Soft Tissue Deficiency Using Implant-supported-Prosthesis  
Presenter: Dr. Mika Stefanos  
Institution: University of Michigan  
Research Advisor: Dr. Michael Razzoog  
Program Director: Dr. Michael Razzoog  
E-mail: tlihetan@umich.edu

## 2015 POSTER PROGRAM CONTINUED

28. Resistance to Fracture of CAD/CAM Hybrid-ceramic Inlay with Three Different Preparation Designs  
Presenter: Dr. Yuki Iwaki  
Institution: Albert Ludwigs University, Freiburg, Germany  
Research Advisors: Dr. Wael Att and Dr. Jorg Strub  
E-mail: yuki.iwaki@uniklinik-freiburg.de
29. The Effect of Locator Abutment Height on the Retentive Values of Locator Attachments: An In Vivo Study  
Presenter: Dr. Priscilla Sia  
Institution: University of Maryland  
Research Advisor: Dr. Radi Masri  
Program Director: Dr. Carl Driscoll  
E-mail: priscillasia@hotmail.com
30. Characterization and Biocompatibility of Transparent Nanotubes on Hybrid Ti/ZrO<sub>2</sub>  
Presenter: Dr. Natalie Baker  
Institution: University of Illinois  
Research Advisor: Dr. Cortino Sukotjo  
Program Director: Dr. Kent L. Knoernschild  
E-mail: nwolfs3@uic.edu
31. Increased Biomechanical Capacity of Titanium Implants by UV Photo-functionalization in a Rat Model  
Presenter: Dr. Pooya Soltanzadeh  
Institution: Loma Linda University, California  
E-mail: psoltanzadeh@llu.edu
32. The Effect of Bar Design and Fatigue on the Reverse Torque Values of Lateral Set Screw  
Presenter: Dr. Jenin Yahya  
Institute: University of Maryland  
Research Advisor: Dr. Carl Driscoll  
Program Director: Dr. Carl Driscoll  
E-mail: j\_yahya@umaryland.edu
33. The Use of Customized Impression Post in Anterior Implants  
Presenter: Dr. Fernando Astorga  
Institution: University of Colorado  
E-mail: Fernando.astorga@ucdenver.edu
34. Diagnosing Sound Production Disorders in Prosthodontic Practice  
Presenter: Dr. Daria Bulycheva  
Institution: University of Saint Petersburg, Russia  
Research Advisor: Prof. Elena Bulycheva  
E-mail: MissBulychevaDaria@yandex.ru



## 2015 POSTER PROGRAM CONTINUED

35. Stereographic Record in Dentistry  
Presenter: Dr. Se Jong Kim  
Institution: University of Maryland  
Research Advisor: Dr. Carl Driscoll  
Program Director: Dr. Carl Driscoll  
E-mail: sejongk@umaryland.edu
36. Fabrication of a Complete Veneer Crown using E4D: A Case Report  
Presenters: Dr. Ioannis Bitsis and Dr. Hongseok An  
Institution: University of Washington  
Research Advisor: Dr. Hai Zhang  
Program Director: Dr. Hai Zhang  
E-mail: ibitsis@uw.edu and anfong@uw.edu
37. Varying Torque Values for Different Implant Systems  
Presenter: Dr. Lama R. AlJabr  
Institution: The Ohio State University  
Research Advisor: Dr. Damian Lee  
Program Director: Dr. Damian Lee  
E-mail: aljabr.5@osu.edu
38. Orthodontic Extrusion for Pre-implant Site Enhancement: Principals and Guidelines  
Presenter: Dr. Abdulaziz Rafat Al-Sahhaf  
Institution: Albert-Ludwigs University, Freiburg, Germany  
Research Advisor: Dr. Wael Att and Dr. Jorg Strub  
E-mail: abdulazis.al-sahhaf@uniklinik-freiburg.de
39. Back to Basics: Gold Occlusal Surfaces for Fixed-complete Denture  
Presenter: Dr. Sabrina Garcia-Gazau  
Institution: University of Michigan  
Research Advisor: Dr. Michael Razzoog  
Program Director: Dr. Michael Razzoog  
E-mail: samireth@umich.edu
40. Intra-Oral Welding: Concept, Technique and Clinical Applications  
Presenter: Dr. Geoffrey Johnston  
Institution: The Ohio State University  
Research Advisor: Dr. Damian Lee  
Program Director: Dr. Damian Lee  
E-mail: Johnston.523@osu.edu
41. Custom CAD/CAM Abutment Failure During Cyclic Fatigue  
Presenter: Dr. Konstantinos Vazouras  
Institution: University of Connecticut  
Research Advisor: Dr. J. Robert Kelly  
Program Director: Dr. Avinash Bidra  
E-mail: vazouras@uchc.edu

**THE AMERICAN ACADEMY OF FIXED PROSTHODONTICS  
SIXTY-FOURTH ANNUAL SCIENTIFIC SESSION  
FRIDAY, FEBRUARY 27, 2015**

**REVOLUTIONARY TECHNOLOGIES AND  
FUNDAMENTAL CONCEPTS**

- 7:00 a.m. Registration, 7th Floor Foyer  
Continental Breakfast in Exhibit Hall, Salon III
- 8:00 a.m. WELCOME: Dr. Jack Lipkin, President
- 8:10 a.m. Dr. Markus B. Blatz  
Advancements in CAD-CAM Ceramics
- 9:00 a.m. Dr. John Wolfaardt  
Transforming Head and Neck Reconstruction: The Impact of  
Advanced Digital Technologies
- 9:50 a.m. REFRESHMENT BREAK IN THE 7th FLOOR EXHIBIT HALL  
All members, guests and students invited
- 10:20 a.m. Dr. Marshall Peikoff  
Endodontic Management of the Compromised Tooth
- 11:10 a.m. Dr. Steven M. Morgano  
Restoring Pulpless Teeth: Do Traditional Principles Still Apply?
- 12:00- ANNUAL LUNCHEON FOR MEMBERS, GUESTS,  
AND GRADUATE STUDENTS  
5th Floor Chicago Ballroom
- 2:00 p.m. Dr. David Gratton  
Advances in Intra-Oral Digital Impressions
- 2:50 p.m. Mr. Mike Girard  
Merging Technology Advancements with Traditional Process in  
the Dental Lab
- 3:40- REFRESHMENT BREAK IN THE 7th FLOOR EXHIBIT HALL  
All members, guests and students invited
- 4:10 p.m. Dr. Petra Guess  
All-Ceramic Materials and Minimally Invasive Dentistry:  
Facts and Visions
- 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-FOURTH ANNUAL SCIENTIFIC SESSION  
SATURDAY, FEBRUARY 28, 2015**

**REVOLUTIONARY TECHNOLOGIES AND  
FUNDAMENTAL CONCEPTS**

- 7:00 a.m. Registration, 7th Floor Foyer  
Continental Breakfast in Exhibit Hall, Salon III
- 8:00 a.m. Dr. Christopher B. Marchack  
10 Years After the First NobelGuide Treatments: Accuracy of  
Placement, Complications, and Follow up
- 8:50 a.m. Dr. Frank Lauciello  
Maximizing Success for Implant Supported Restorations for the  
Edentulous Patient
- 9:40 a.m. REFRESHMENT BREAK IN THE 7th FLOOR EXHIBIT HALL  
All members, guests and students invited
- 10:10 a.m. Dr. Gary Klasser  
A Trilogy: Prosthodontics, Temporomandibular Disorders and  
Occlusion
- 11:00 p.m. Dr. Harald O. Heymann  
Non-Carious Cervical Lesions: Causes, Prevention and Treatment
- 11:50- 1:20 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. Sonia Leziy  
Recognizing Treatment Myths, the Impediments to Restorative  
Success, and Complications that Begin in the Surgical Phase of  
Treatment
- 2:10 p.m. Dr. David Isen  
Local Anesthesia: Tried and True and What's New
- 3:00 p.m. Dr. Brody J. Hildebrand  
Success with Multidisciplinary Treatment Plans
- 3:50 p.m. POSTER AWARDS  
Dr. Carol Lefebvre  
Dr. Sarit Kaplan, Posters Committee Chair
- 4:00 p.m. CLOSING REMARKS  
Dr. Jane Brewer, Program Co-Chair  
Dr. Jennifer Kuracina, Program Co-Chair  
Dr. Jack Lipkin, President

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

## 2015 POSTER PROGRAM CONTINUED

42. Different Methods in Managing Complications of Implant-supported Hybrid Prosthesis  
Presenter: Dr. Viensuong Nguyen  
Institution: University of Connecticut  
Research Advisor: Dr. Avinash Bidra  
Program Director: Dr. Avinash Bidra  
E-mail: vinguyen@uchc.edu
43. Fixed Complete Denture Opposing Screw-retained Implant-supported Fixed Dental Prosthesis  
Presenter: Dr. Priscila Schaefer  
Institution: University of Michigan  
Research Advisor: Dr. Michael Razzoog  
Program Director: Dr. Michael Razzoog  
E-mail: prischae@umich.edu
44. Custom Impression Copings to Enhance Esthetic Implant Fixed Prosthetics  
Presenter: Dr. Kiyono Yamashita  
Institution: University of Michigan  
Research Advisor: Dr. Michael Razzoog  
Program Director: Dr. Michael Razzoog  
E-mail: koi@umich.edu
45. Retrofitting a Crown to an Existing Removable Partial Denture Using CAD/CAM Technology  
Presenter: Dr. Juliana Castro-Lapeira  
Institution: University of Michigan  
Research Advisor: Dr. Michael Razzoog  
Program Director: Dr. Michael Razzoog  
E-mail: jcaslap@umich.edu
46. A Prosthetic Approach to Class III Malocclusion Utilizing Fixed Complete Denture Therapy  
Presenter: Dr. Virginia Hogsett  
Institution: University of Illinois  
Research Advisor: Dr. Aristotelis Marinis  
Program Director: Dr. Kent L. Knoernschild  
E-mail: vhogse2@uic.edu
47. Precision Testing of a Digital Pantographic Tracing Device  
Presenters: Dr. John Keyes and Dr. Heather Conrad  
Institution: University of Minnesota  
Research Advisors: Dr. Heather Conrad  
Program Director: Dr. Heather Conrad  
E-mail: keyes078@umn.edu
48. The Quality of Traditional Fixed Prosthodontic Impressions Received at Commercial Laboratories  
Presenters: Dr. Clayton Rau and Dr. Vilhelm Olafsson  
Institution: University of North Carolina  
Research Advisor: Dr. Terence Donovan  
Program Director: Dr. Terence Donovan

## 2015 POSTER PROGRAM CONTINUED

E-mail: Clayton\_Rau@unc.edu and vilhelm\_Olafsson@unc.edu

49. Multidisciplinary Approach to the Functional and Esthetic Rehabilitation of Amelogenesis Imperfecta with Anterior Open Bite: A Restorative Case Report

Presenter: Dr. Joanna Basaya

Institution: University of Illinois

Research Advisor: Dr. Aristotelis Marinis

Program Director: Dr. Kent L. Knoernschild

E-mail: jmones2@uic.edu

50. Hand, CAD, and Print Wax Crown Pattern Fabrication: A Margin Fit Comparison

Presenter: Dr. Sergio Munoz

Institution: US Army Prosthodontic Program, Ft. Gordon, Georgia

Research Advisor: Dr. Servando (Van) Ramos

Program Director: Dr. Servando (Van) Ramos

E-mail: Sergio.munoz.mil@mail.mil

51. Management of Invasive Cervical Resorption with Complete Implant-Supported Prosthesis: A Clinical Report

Presenters: Dr. Catherine DeFuria and Dr. Sarah Amin

Institution: Tufts University

Research Advisor: Dr. Hiroshi Hirayama

Program Director: Dr. Hiroshi Hirayama

E-mail: Catherine.DeFuria@tufts.edu and Sarah.Amin@tufts.edu

52. Comprehensive Implant- and Tooth-supported Fixed Reconstruction

Presenter: Dr. Craig Sikora

Institution: University of Illinois

Research Advisor: Dr. Aristotelis Marinis

Program Director: Dr. Kent L. Knoernschild

E-mail: cgraigsikora@gmail.com

53. Considerations for Esthetic Restoration of Lower Anteriors Using Implants

Presenter: Dr. David Burnham

Institution: University of Connecticut

Research Advisor: Dr. Avinash Bidra

Program Director: Dr. Avinash Bidra

E-mail: daveburnhamdds@gmail.com

54. Influence of Sputtering and Ceramic Type on Bond Strength of CP Ti-Ceramic

Presenter: Dr. Hussain Alhajji

Institution: State University at New-York, Buffalo

Research Advisor: Dr. Hyeongil Kim

Program Director: Dr. Hyeongil Kim

E-mail: alhajji.dmd@gmail.com

## 2015 POSTER PROGRAM CONTINUED

55. Case Report: Maxillary Fixed implant-supported Prosthesis with Locators for Speech Aid Prosthesis  
Presenter: Dr. Kimberly A. Farrell  
Institution: University of Connecticut  
Research Advisor: Dr. Avinash Bidra  
Program Director: Dr. Avinash Bidra  
E-mail: kfarrell@gde.uchc.edu
56. Replacing Worn Over-denture Abutments of Unknown Implant System Using Laser Welding: A Clinical Report  
Presenter: Dr. Vrinda Mohunta  
Institution: The Ohio State University  
Research Advisor: Dr. Damian Lee  
Program Director: Dr. Damian Lee  
E-mail: mohuntavrinda@gmail.com
57. Developing an Optimal Emergence Profile for an Implant Using an Extracted Tooth  
Presenter: Dr. Saad Bassas  
Institution: University of Minnesota  
Research Advisor: Dr. Heather Conrad  
Program Director: Dr. Heather Conrad  
E-mail: bassa0066@umn.edu
58. Esthetic Implant Positional Failure: A Case Report  
Presenter: Dr. Charles Palin  
Institution: University of Illinois  
Research Advisor: Dr. Cortino Sukotjo  
Program Director: Dr. Kent L. Knoernschild  
E-mail: cpalin2@uic.edu
59. Novel Impression Technique for Immediate Denture in Maxillary Partially Edentulous Patient  
Presenter: Dr. Hyun Baek  
Institution: New York University  
Research Advisor: Dr. Joel Gelbman  
Program Director: Mijin Choi  
E-mail: kenhaku.dds@gmail.com

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## DR. MARKUS B. BLATZ

*Advancements in CAD-CAM Ceramics*

Friday, February 27, 2015 | 8:10 a.m.

### **Synopsis:**

New ceramic materials and CAD/CAM technology advancements are flooding the market on a constant basis. And while they offer exciting and novel treatment options, especially in the areas of esthetic prosthodontics, adhesive dentistry, and implantology, their proper selection in an individual clinical situation is rather confusing.

Ceramic materials are currently applied for esthetically driven treatment concepts that include procedures ranging from conservative veneers to full-mouth rehabilitations supported by natural teeth and implants. The physical properties of modern ceramic materials, however, require very specific fabrication, design, and clinical handling to ensure long-term clinical success. The recent evolution in CAD/CAM technology and ceramic materials, paired with the development of new adhesive bonding materials, have vastly shifted traditional treatment paradigms and offer a whole new range of treatment options that are not only more esthetic and less invasive, but also long-term functional. CAD/CAM and ceramic advancements, however, are even more beneficial for the design and precise fabrication of full-mouth reconstructions, specifically on dental implants, where accurate fit is fundamentally important.

This presentation will provide an update on dental ceramics and CAD/CAM technology and will discuss the scientific evidence and clinical guidelines for long-term success with tooth- and implant-supported ceramic restorations.

### **Objectives:**

- Differentiate modern ceramic materials and their indications
- Understand laboratory based CAD/CAM technology and its diverse applications
- Implement adhesive dentistry in combination with indirect ceramic restorations
- Apply guidelines for successful and long-lasting esthetic restorations from laminate veneers to full-mouth implant-supported rehabilitation

### **Curriculum Vitae:**

Dr. Markus B. Blatz is Professor of Restorative Dentistry and Chairman of the Department of Preventive and Restorative Sciences at the University of Pennsylvania School of Dental Medicine in Philadelphia, Pennsylvania, where he also founded the Penn Dental CAD/CAM Ceramic Center. Dr. Blatz graduated from Albert-Ludwigs University in Freiburg, Germany, and was awarded an additional Doctorate Degree, a Postgraduate Certificate in Prosthodontics, a PhD and, most recently, Professorship.

Dr. Blatz is a Board-certified Diplomate in the German Society for Prosthodontics and Biomaterials (DGPro) and a member of multiple professional organizations, including the European Academy of Esthetic Dentistry, the American College of Prosthodontics, and O.K.U. Honor Dental Society. Most recently, Dr. Blatz founded and became President-elect of the International Academy for Adhesive Dentistry (IAAD). He serves on the editorial boards of numerous recognized scientific dental journals and is Associate Editor of Quintessence International.

Dr. Blatz is the recipient of multiple teaching and research awards and has published and lectured extensively on dental esthetics, restorative materials, and implant dentistry.





## **DR. JOHN WOLFAARDT**

*Transforming Head and Neck Reconstruction:  
The Impact of Advanced Digital Technologies*

**Friday, February 27, 2015 | 9:00 a.m.**

### **Synopsis:**

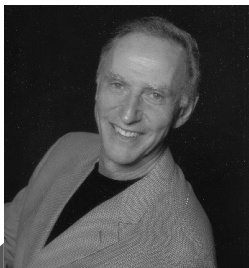
Advanced digital technologies have converged to change jaw reconstruction rehabilitation. The inversion of the reconstructive pathway through introduction of Surgical Design and Simulation (SDS) as well as digital functional assessment is important for the future. The potential that advanced digital technology holds to improve outcomes for head and neck cancer patients will be considered. The presentation will provide an understanding of contemporary approaches to reconstruction of the jaws in head and neck cancer patients.

### **Objectives:**

- Contemporary approaches to microvascular reconstruction of the jaws
- How advanced digital technology is used to design and guide surgery
- The role of digital technology in treatment outcomes assessment

### **Curriculum Vitae:**

Dr. Wolfaardt is a Full Professor, Division of Otolaryngology-Head and Neck Surgery, Department of Surgery, Faculty of Medicine and Dentistry, University of Alberta. He is also Director of Clinics and International Relations, the Institute for Reconstructive Sciences in Medicine (iRSM), Edmonton, Alberta, Canada. Dr. Wolfaardt was awarded Honorary Membership by the Canadian Dental Association in 2011. The Alberta Dental Association and College presented the Award of Excellence to Dr. Wolfaardt in 2013.



## **DR. MARSHALL PEIKOFF**

*Endodontic Management of the  
Compromised Tooth*

**Friday, February 27, 2015 | 10:20 a.m.**

### **Synopsis:**

With the refinement of science and clinical techniques in implantology over the last number of years, there is a tendency in some circles to abandon natural teeth that may have some degree of questionable prognosis. These teeth are being extracted in favor of implants even though much of the literature states there is a comparable rate of success between these two treatment modalities.

Included in the discussion will be cracked teeth, failed endodontic treatment and endo-perio lesions

### **Objectives:**

- Recognize treatable endodontic failures
- Differentiate lesions of Endodontic origin
- Healing of periapical and lateral lesions
- Diagnosis and treatment of cracked teeth

### **Curriculum Vitae:**

Dr. Marshall Peikoff is an Honors Graduate of the University of Manitoba faculty of Dentistry.

He received Endodontic training at Boston University, certificate in Endodontics as well as Master of Science in Dentistry degree.

He has practiced Endodontics in Winnipeg from 1969 until the present time.

He is an Assistant Professor and was Head of the Section of Endodontics at the Faculty from 1972 till 1989, after which he assumed a part time position.

He has lectured extensively in North America as well as Europe and Australia.

Dr. Peikoff is a Diplomate of the American Board of Endodontics. Past Director of the American Board of Endodontics and also served as its president.

He is a Fellow of the Royal College of Dentists of Canada, the International College of Dentists and the American College of Dentists

Formerly chief examiner in Endodontics with the Royal College of Dentists (Canada)

Past chief examiner for the National Dental Examining Board of Canada

External examiner for the College of Dentists of British Columbia

He has been a Trustee and President of the Foundation of the American Association of Endodontists and Past President of Manitoba Dental Association and Canadian Academy of Endodontics.



## **DR. STEVEN M. MORGANO**

*Restoring Pulpless Teeth: Do Traditional Principles Still Apply?*

**Friday, February 27, 2015 | 11:10 a.m.**

### **Synopsis:**

Guidelines for restoring pulpless teeth are well established; nevertheless the principles behind these guidelines were developed decades ago, primarily from in-vitro studies or retrospective studies of metallic posts cemented with conventional cements. New materials and techniques have been introduced for the restoration of pulpless teeth, and there are additional clinical studies in the literature, not only on traditional materials and methods but also on the more novel materials. This presentation will critically review the latest available evidence on restoring pulpless teeth and suggest practical guidelines for the clinician.

### **Objectives:**

- Be familiar with the literature supporting traditional recommendations for restoring pulpless teeth
- Be familiar with the most recent literature related to newer materials and techniques used in the restoration of pulpless teeth
- Have a clear understanding of the advantages, disadvantages, indications and contraindications of materials and techniques for the restoration of pulpless teeth

### **Curriculum Vitae:**

Dr. Morgano is president elect of the American Academy of Fixed prosthodontics. He received his DMD degree from Tufts University, and completed a general practice residency program at Philadelphia General Hospital. He received his specialty certificate in prosthodontics from the Hines Veterans Affairs Medical Center, and is a Diplomate of the American Board of Prosthodontics. Dr. Morgano is Professor and Chairman of the Department of Restorative Dentistry at Rutgers School of Dental Medicine. Dr. Morgano has lectured throughout the US, and internationally, has published over 60 journal articles, and has authored 12 textbook chapters.



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

**Friday, February 27, 2015 | 12:00 p.m.**

**2015 STANLEY D. TYLMAN RESEARCH AWARDS\***

Dr. Fei Liu, Chair, Tylman Research Committee

**FIRST PLACE AWARD**

Dr. Aurora Dibner

University of Connecticut

Research Advisor: Dr. J. Robert Kelly

Program Director: Dr. Avinash Bidra

**SECOND PLACE AWARD**

Dr. Despoina Bopolaki

Baylor College of Dentistry, Texas

Research Advisor and Program Director:

Dr. William Nagy

**THIRD PLACE AWARD**

Dr. Lisa N. Hoang

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. Matthew Palermo

2015 Recipient

**GARVER-STAFFANOU PROSTHODONTIC PROGRAM**

**DIRECTOR'S AWARD FOR EXCELLENCE**

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

Dr. Wayne Campagni

2015 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. John R. Agar

2015 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. DAVID GRATTON**

*Advances in Intra-Oral Digital Impressions*

**Friday, February 27, 2015 | 2:00 p.m.**

### **Synopsis:**

In consideration of the pathway of prosthodontics, new and evolving health technologies are now available to the practitioner. Fundamental to successful prosthodontics are accurate impressions. Has the shelf-life of conventional analog impression techniques now expired in this era of digital dentistry? Are intra-oral scanners the new standard for diagnostic and master impressions? And, can this digital workflow be leveraged to enhance the dentist-technician communication and teamwork, and ultimately improve patient care?

### **Objectives:**

- Assess the current and emerging instruments for intra-oral digital impressions
- Discuss the advantages, disadvantages, and evidence for the incorporation of digital impressions into everyday practice
- Explore the workflow possibilities in light of the challenges facing the prosthodontic clinic-laboratory relationship

### **Curriculum Vitae:**

Dr. Gratton is an Associate Professor, Department of Prosthodontics, and Chairman, Health Technologies, at The University of Iowa. Dr. Gratton received his D.D.S. from The University of Michigan, then his Certificate in Prosthodontics and M.S. from The University of Iowa. He is a Fellow of the Academy of Prosthodontics and a Fellow of the International Team for Implantology. Dr. Gratton participates in an intramural prosthodontic practice incorporating evolving digital technologies at The University of Iowa.



## MR. MIKE GIRARD

*Merging Technology Advancements with  
Traditional Process in the Dental Lab*

Friday, February 27, 2015 | 2:50 p.m.

### Synopsis:

As the dental laboratory business in North America continues to experience unprecedented change, clinicians requiring lab services will be impacted. This program will look at how some laboratories are combining digital technology with traditional process. The results are yielding improved consistency, better strength and the efficiencies that come with digital process are enabling better economics. The program will also review new materials, new processes and new technologies, including digital design software strategies, digital impression devices and digital model manufacturing

### Objectives:

- To review the current state of the dental laboratory business
- To learn how new technologies combined with traditional process are impacting the design and manufacturing of fixed restorations
- Identifying new materials, technologies and processes that are getting traction in the North American Dental Market

### Curriculum Vitae:

Mike brings 40 years of experience in the dental field in a variety of capacities. After successfully completing the requirements of the College of Dental Technology of Ontario more than 30 years ago, he has worked with a number of companies, amassing an impressive track record and completion of a series of successful projects pioneering the advancement of digital dentistry. His accomplishments include leadership roles in the dental lab industry including; the start of his career and subsequent 20 years with the Shaw Group of Laboratories and Quantum Technologies in Canada. He has held important positions with industry leaders including; Nobel Biocare, Brontes Technologies, (a Boston based start-up that played an important role in evolution of digital impression technology) Brontes was acquired by 3M in 2006 and Mike later joined the business development team there in St. Paul. He was the founder and owner of Diadem Precision Technology, a high tech digital processing center in Troy, Michigan, acquired by Ivoclar Vivadent in 2012.

Mike joined Modern Dental USA in 2013 accepting the responsibility to develop and grow their business in North America. Modern Dental Laboratory currently enjoys the position as the largest dental laboratory group in the world. Utilizing his vast experience in digital dentistry, Mike and his team have built a world class digital production facility in Troy, Michigan supplying the network of Modern Dental Lab Centers that will continue to grow in neighborhoods across North America. Mike currently resides in Amherstburg, Ontario with his wife Tina. He is the proud father of four children and three grandchildren.



## **DR. PETRA GUESS**

*All-Ceramic Materials and Minimally Invasive Dentistry: Facts and Visions*

**Friday, February 27, 2015 | 4:10 a.m.**

### **Synopsis:**

Aesthetic demands but also restorative needs in anterior and posterior dentition have changed dramatically within the last decades. All-ceramic materials and CAD/CAM technologies are increasingly used in prosthetic dentistry. The paradigm shift in fixed prosthodontics from traditional to minimal invasive treatment approaches is evidenced by the clinical long-term success of bonded glass-ceramic restorations. Modern all-ceramic materials deliver superior aesthetics and reliability, as shown by contemporary material science. Advancements in all-ceramic systems and adhesive technologies enable the development of innovative defect-oriented treatment concepts for restoring compromised dentition. Modified onlay and full veneer preparation geometries evolved and form a reliable alternative for conventional full-coverage crowns. Nowadays non-retentive preparation designs in combination with reduced ceramic thicknesses allow for a minimal invasive treatment approach. A perspective on future developments in minimal invasive adhesive dentistry will be addressed.

### **Objectives:**

- To provide guidelines for minimal invasive preparation designs and recommended ceramic thicknesses
- To give rationale of case based selection of modern ceramic materials and CAD/CAM systems
- To present scientific evidence pertaining to the clinical success of all-ceramic materials and minimal invasive restorative technologies.

### **Curriculum Vitae:**

Dr. Guess, graduated and received her DDS from Albert-Ludwigs University, Freiburg, Germany in 2001. She was an Assistant Professor (2001-2006) at the Department of Prosthodontics (Chair Prof. Dr. Dr. h.c. J.R. Strub), College of Dentistry, Albert-Ludwigs University, Freiburg, Germany and is a Board certified Prosthodontist (2005) of the German Society of Prosthodontics and Dental Materials (DGPro). From 2006-2009 she was a Visiting Scientist at the Department of Biomaterials & Biomimetics (Chair Prof. Dr. V.P. Thompson), NYU College of Dentistry, New York, USA. In 2009 Dr. Guess was appointed Associate Professor at the Department of Prosthodontics (Chair Prof. Dr. Dr. h.c. J.R. Strub) College of Dentistry, Albert-Ludwigs University, Freiburg, where she accomplished the Habilitation (Dr. med. dent. habil.) in 2011.



## DR. CHRISTOPHER B. MARCHACK

*10 Years After the First NobelGuide Treatments: Accuracy of Placement, Complications, and Follow up*

Saturday, February 28, 2015 | 8:00 a.m.

### Synopsis:

In 2003, the first of a series of patients were completed using the Nobel Guide technique, in North America. Initial protocols and treatments were developed and followed. From the follow up of these initial patients, after implant placement and immediate loading with a fixed complete denture prosthesis; what were the restorative successes, complications, and prosthetic issues. Now 10 years later, what have we learned from the evolution of guided implant treatments to improve our surgical and restorative treatment successes.

### Objectives:

- What is the accuracy of guided surgery?
- What studies are there about guided surgery?
- Why is a calibration object necessary?
- What happens years after the initial patient treatment?

### Curriculum Vitae:

Dr. Christopher B. Marchack is a 1987 graduate of the University of the Pacific, School of Dentistry. He has received his prosthodontic certificate, in 1992, from the University of Southern California. Dr. Marchack belongs to numerous professional organizations including the Academy of Prosthodontics, the Pacific Coast Society for Prosthodontics, the American College of Prosthodontists, the Academy of Osseointegration, and the Southern California Osseointegration Study Club. He has written numerous articles, in peer reviewed journals, relating to the restorative aspects of dentistry. Dr. Marchack is on editorial review board of the Journal of Prosthetic Dentistry and International Journal of Oral and Maxillofacial Implants. He has lectured nationally and internationally. Dr. Marchack has been interviewed on local and national television news programs pertaining to dental procedures. In 2008, Dr. Marchack was the recipient of The Judson C. Hickey Scientific Writing Award, given by the Journal of Prosthetic Dentistry, for the best dental technique article for 2007. Currently, he has a full time practice, in Pasadena, California; is the founder and current director of the San Gabriel Valley Dental Implant Study Club; the past co-director of the University of Southern California's Odontic Seminar; Assistant Clinical Professor at the University of Southern California, in the Department of Continuing Education, and Adjunct Assistant Professor at the University of Pennsylvania, School of Dental Medicine, Department of Preventive and Restorative Sciences.





## **DR. FRANK LAUCIELLO**

*Maximizing Success for Implant Supported Restorations for the Edentulous Patient*

**Saturday, February 28, 2015 | 8:50 a.m.**

### **Synopsis:**

Denture restorations that are supported by implants have a high rate of failure. Applying the basic concepts of framework design, occlusion, choice of materials, and restorative space are all fundamental to improving the success of implant supported restorations. Innovative technologies have also been instrumental in expanding the restorative options and improving the performance of the materials.

### **Objectives:**

- The determination and importance of restorative space on the success or failure of implant supported denture restorations for the edentulous patient
- Selection of an appropriate superstructure bar design that will provide adequate rigidity
- Innovative try-in procedure to facilitate the patient with their selection for a fixed or removable restoration
- Description of the various occlusal schemes available and their indications for implant supported restorations.

### **Curriculum Vitae:**

Dr. Frank Lauciello graduated from the State University of New York at Buffalo (SUNY), School of Dental Medicine in 1969 and completed his Prosthodontic training at the Buffalo VA Medical Center. He is a Clinical Associate Professor in the Restorative Department at SUNY at Buffalo and was director of the Veterans Administration Advanced Prosthodontic Program from 1973-1998 and Chief of the Dental Service from 1996-1998. He is presently Director of Removable Prosthodontics Research, Development, & Education for Ivoclar Vivadent, Amherst, NY and Director of the Implant Esthetic Center of Excellence in Sarasota, Florida. Dr. Lauciello is a Diplomate of the American Board of Prosthodontics and has authored 25+ articles including several chapters of textbooks. He is actively involved in dental research and new product development.



## **DR. GARY KLASSER**

*A Trilogy: Prosthodontics,  
Temporomandibular Disorders and  
Occlusion*

**Saturday, February 28, 2015 | 10:10 a.m.**

### **Synopsis:**

Prosthodontics, Temporomandibular Disorders and Occlusion are three very important interrelated concepts in the field of dentistry. This presentation will explore and discuss some of the relationships amongst this trilogy and highlight some of the controversies that surround issues related to these concepts. This will allow the practitioner to have a better understanding of how these entities impact their practices on a daily basis.

### **Objectives:**

- The practitioner will recognize the relationships between prosthodontics, temporomandibular disorders and occlusion.
- The practitioner will gain an understanding as to the controversies that exist among this trilogy of concepts.
- The practitioner will gain an appreciation as to how these controversies affect their daily practice.

### **Curriculum Vitae:**

Dr. Klasser completed his DMD at the University of Manitoba (Canada) in 1980. He then was involved in general dentistry. In 2004, he obtained a Certificate in Orofacial Pain from the University of Kentucky. In 2005, he completed a fellowship in Oral Medicine/Oral Oncology at the University of Illinois at Chicago (UIC). From 2005 - 2011, he was an Assistant Professor at UIC. He is currently an Associate Professor at Louisiana State University, School of Dentistry.



## **DR. HARALD O. HEYMANN**

*Non-Carious Cervical Lesions: Causes,  
Prevention and Treatment*

**Saturday, February 28, 2015 | 11:00 a.m.**

### **Synopsis:**

This presentation will provide a provocative and controversial look at the area of non-carious cervical lesions concentrating on the concept of abfractions. Studies have shown that teeth experience flexural deformation during parafunction. This presentation will critically examine the effects of tooth flexural biodynamics as well as other contributing co-variables in the complex etiology of NCCLs. Do abfractions really exist? You decide.

### **Objectives**

- Distinguish among the various etiologic factors involved in the formation of non-carious cervical lesions.
- Discuss the concept of abfractions and relate the associated research supporting this contributing co-variable of NCCLs.
- Describe the various options for treating non-carious cervical lesions.

### **Curriculum Vitae:**

Dr. Heymann is the Thomas P. Hinman Distinguished Professor of Operative Dentistry at the University of North Carolina School of Dentistry. He is a Fellow in the ICD, ACD, Academy of Dental Materials, and is a Fellow and Past-President of the American Academy of Esthetic Dentistry. Dr. Heymann is Co-Senior Editor of Sturdevant's Art and Science of Operative Dentistry textbook and is a consultant to the ADA. He has authored over 190 scientific publications, given over 1,350 lectures worldwide, is Editor-in-Chief of the Journal of Esthetic and Restorative Dentistry, and has received the Gordon J. Christensen Award for excellence as a CE speaker.



## **DR. SONIA LEZIY**

*Complications that Begin in the Surgical Phase of Treatment*

**Saturday, February 28, 2015 | 1:20 p.m.**

### **Synopsis:**

The demand for creating esthetic restorations has become a consistent theme in the dental literature and in daily clinical practice. Surgical concepts that are emphasized as important to the esthetic outcome include resective procedures to change bone volume and levels, as well as additive procedures such as tissue grafting to alter the biotype and volume around teeth and implants. Predominately with implant treatment, today's surgical and restorative strategies play an important role in post-extractive tissue guidance, mandating precise surgical techniques, and emphasizing cooperation and coordination between the surgical and restorative team members. This presentation will explore some of the complications of treatment, underscoring the responsibility of the surgical and restorative team to critically assess emerging treatment concepts, materials and techniques.

### **Objectives:**

- Recognize treatment planning and surgical problems and their impact on the restorative outcome for both teeth and implants.
- Review current procedures and materials used to alter bone levels and soft tissue quality and volume around teeth and implants.
- The role of immediate implant placement and restoration in guiding tissue form: Recognize the risks, but understand the potential benefits.

### **Curriculum Vitae:**

Sonia Leziy received her dental degree from McGill University. Her post-graduate degree in periodontics was completed at the University of British Columbia, Canada. Dr. Leziy is a Fellow of the Royal College of Dentists of Canada, and maintains fellowships and memberships in numerous organizations. She is the 2014 program chair of the American Academy of Esthetic Dentistry (AAED). She co-mentors the Vancouver Implant Periodontal and Prosthetic Study Group (VIP). Dr. Leziy is a member of several editorial boards. She has been recognized among the top clinicians in CE in North America for the last 8 years by Dentistry Today. She has published extensively on implant aesthetics and more recently co-authored chapters in two textbooks published by Quintessence. She lectures internationally on the subject of implants and esthetics/periodontal plastic surgery. She was the 2013 recipient of the Lucy Hobbs mentorship award and 2014 recipient of the SSC Saul Schluger award. Dr. Leziy maintains a full-time interdisciplinary private practice in the Imperio Group Dental Health Specialists with Dr. Brahm Miller prosthodontist, Dr. Priscilla Walsh periodontist, Dr. Ivy Wu periodontist and Dr. Kevin Aminzadeh prosthodontist.



## DR. DAVID ISEN

*Local Anesthesia: Tried and True and What's New*

Saturday, February 28, 2015 | 2:10 p.m.

### Synopsis:

Local anesthetics and their delivery systems continue to evolve. New research, novel drugs and improved methods of administration continue to become available. This seminar will discuss these advances and how they enhance patient comfort and improve our current well-worn armamentaria and technique. Specifically, articaine, local anesthetic buffering, a local anesthetic reversal agent, needle-free anesthetic delivery and intranasal local anesthetic administration will be some of the topics presented.

### Objectives:

- To understand how articaine can be used differently than other local anesthetics
- Understanding how to incorporate new products such as local anesthesia reversal agents, needle-free injections, intrasulcus anesthesia and intranasal local anesthesia into a dental practice
- Learning what is new in the literature with respect to local anesthesia

### Curriculum Vitae:

David's dental clinic is an anesthesia-based practice in Toronto treating patients who require intravenous sedation or advanced techniques in local anesthesia. Many of these people have special medical needs or are dental phobic.

David is the president of the Ontario Dental Society of Anaesthesiology. As a lecturer, he holds positions with the University of Western Ontario's Continuing Education Program and formerly at the University of Toronto. David has given almost two hundred presentations throughout North America and around the world. He is a Fellow of the Academy of Dentistry International, The International College of Dentists and The Pierre Fauchard Academy.

David is the author of numerous journal articles. He also has peer-reviewed articles for a variety of dental journals and as well has acted as a consultant for dental and pharmaceutical companies.



## **DR. BRODY J. HILDEBRAND**

*Success with Multidisciplinary Treatment  
Plans*

**Saturday, February 28, 2015 | 3:00 p.m.**

### **Synopsis:**

This program is designed for experienced restorative teams wishing to optimize esthetic and functional based restorative treatment plans utilizing multiple specialists. Emphasis will be placed on esthetic diagnosis and the use of TEAM coordination throughout the restorative driven treatment process. Utilization of four keys to improved success in private practice will be thoroughly discussed, including timelines for treatment progression, incorporation of different specialty team members with the restorative treatment coordinator, and proper lab support for effective restoration based outcomes.

### **Objectives:**

- Identify how a TEAM can create a treatment protocol to work patients through the complex restorative treatment process
- Describe esthetic restorative options and discuss the influence of these on treatment outcome
- More effectively incorporate interdisciplinary esthetic procedures into their restorative practice
- Techniques to create raving fans of your practice

### **Curriculum Vitae:**

Dr. Brody J. Hildebrand received a B.A. in Biology at Baylor University, a D.D.S., M.S. in Oral Biology, and dual specialty certificates from Baylor College of Dentistry. Dr. Hildebrand practices both orthodontics and prosthodontics in Dallas at Preston Hollow Specialists Dental Group and is an Assistant Clinical Professor in the Graduate Prosthodontics Residency program at Baylor. Dr. Hildebrand is a member the ACP, AAO, AO, AGD, NFED, and a Fellow in the ITI and AGD.



## **DR. J. ROBERT KELLY**

*An update on ceramics for implant and restorative dentistry*

### **RESERVE SPEAKER**

#### **Synopsis:**

Ceramics are used for structural and esthetic components of prostheses. This lecture will first review ceramics of interest within an easily appreciated (but correct) format. Study of failed clinical specimens as well as from clinically-valid fatigue testing is yielding valuable information about what clinicians and manufacturers can do to optimize esthetics and function. For implant parts, some manufacturers do not appear to have used basic ceramic engineering principles leading to extreme performance differences between manufacturers for seemingly identical parts.

#### **Objectives:**

- Review how ceramics are being used today in implant and prosthetic dentistry, how to distinguish among them and their clinical indications.
- Examine what we know about maximizing durability and esthetics and how we know it (clinical, simulation and/or modeling data).
- Be sensitized to how the properties of ceramic parts are exceedingly sensitive to how they are fabricated (ceramics processing).

#### **Curriculum Vitae:**

Dr. Kelly teaches graduate prosthodontics and biomaterials at the University of Connecticut. His degrees include the D.D.S. (Ohio State), an M.S. in dental materials science (Marquette), the D.Med.Sc. in oral biology and a Certificate in prosthodontics (Harvard/MIT). He is Vice Chairman of the ADA Standards Committee on Dental Products, President of the Academy of Dental Materials and Past-President, AAFP. Dr. Kelly has received awards for research (Harvard), post-graduate education (Assoc. Military Surgeons of the U.S.) and as a clinician/scholar (ACP).

*Please join in the excellence of Fixed Prosthodontics at the  
2016 Annual Scientific Session of the  
American Academy of Fixed Prosthodontics*

PRESIDENT DR. STEVEN M. MORGANO  
PROGRAM CHAIRS DR. NADIM Z. BABA & DR. CARLO ERCOLI  
TENTATIVE DATE: FEBRUARY 26 AND 27, 2016

**"Multidisciplinary approach to complex prosthodontics:  
The key to your success"**

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

Istvan Urban  
*Complex Site Development with Hard and Soft Tissue Grafts*

Ali Fakhry  
*Accelerated Orthodontic Extrusion*

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

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

David Guichet  
*Harness the Power of Digitally Enhanced Implant Dentistry*

Daniel F. Galindo  
*Fixed Implant Prosthodontics for the Edentulous Maxilla:  
Past, Present and Future*

Carlo Poggio  
*Interdisciplinary Management of Oral Rehabilitation: What is Important?*

José Carlos da Rosa  
*Immediate Dentoalveolar Restoration: A 9-year Follow-up*

German Gallucci  
*Digital Approach for Fixed Implant Rehabilitation in Edentulous Patients*

Isabelle Denry  
*Emerging Ceramics for Prosthodontics*

Syngcuk Kim  
*Modern Clinical Dilemma: Endodontics vs. Implant*

Daniele Manfredini  
*Prosthodontic Planning in TMD and Bruxism Patients*

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

Radi Masri | Reserve Speaker  
*Clinical Implications and Applications of Mandibular Flexure*



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