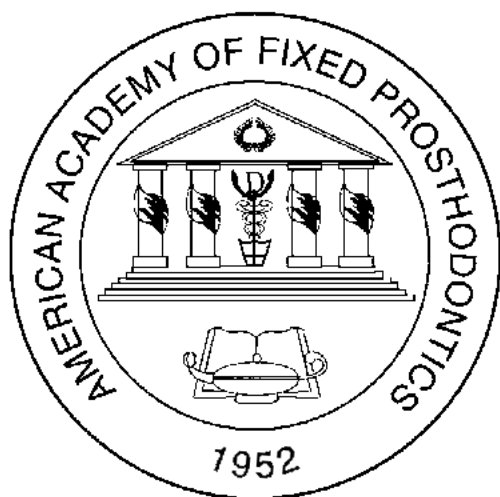


# THE AMERICAN ACADEMY OF FIXED PROSTHODONTICS



## THE ART AND SCIENCE OF PATIENT REHABILITATION

**63<sup>RD</sup> ANNUAL SCIENTIFIC SESSION**

Friday, February 21, 2014

Saturday, February 22, 2014

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

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## TENTATIVE 2015 MEETING DATE February 27-28, 2015

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

2014 PLATINUM SPONSORS



2014 SILVER SPONSORS



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

---

\* Deceased



## **DR. JULIE A. HOLLOWAY**

### **President, 2013-2014**

The American Academy of Fixed Prosthodontics is delighted to welcome you to its 63rd Annual Scientific Meeting. Each year, the Academy enhances each of us who strive to be life-long learners for the benefit of our patients. In keeping with our mission statement, the 2014 meeting will provide educational enrichment in the art and science of fixed prosthodontics. We strive to promote excellence in patient care and attract those practitioners with a commitment and dedication to fixed prosthodontic dental treatment.

Dr. Nancy Chaffee, the 2014 Program Chair, has constructed an outstanding program of speakers who will deliver the latest advances in scientific evidence, dental artistry and practical take-home advice. The experts speaking at this annual meeting will direct our thoughts to the essential union of Art and Science in dental rehabilitation, because these two tenets are inextricably linked.

Dr. Igor Pesun, our Meeting Site Director, Dr. Stephen Rosenstiel, Academy Secretary, and Dr. Richard Jordan, Treasurer and Secretary for Guests have worked tirelessly for the past year to make this meeting possible. Along with Dr. Damian Lee and the Local Arrangements Committee, they have set in place the amenities needed for a comfortable meeting. Dr. Shereen Azer and the Exhibits Committee have assembled a wide variety of commercial vendors with many cutting edge products for the delivery of fixed prosthodontic care. Dr. Sarit Kaplan and the Table Clinics Committee have a record number of presentations highlighting new techniques and materials. Many thanks also go to the Officers: Immediate Past President Carl Driscoll, President-Elect Jack Lipkin, Vice President Steven Morgano and Parliamentarian Martin Land for their guidance and input. The Directors, Gerry Santulli, Charles Goodacre, David Burns, Patchnee Rungruanganunt, Elena Nazarova and Ariel Raigrodski welcome you to share in the collegiality and fellowship that exemplifies this meeting.

Please arrive early to enjoy the continental breakfasts, exhibits and your colleagues prior to each scientific session. We invite you to share the wisdom and inspiration of the speakers for this meeting and get to know new faces at the Friday luncheon. Enjoy Chicago and return to your practices with renewed enthusiasm for patient care.

Thank you for joining us for the premier meeting in fixed prosthodontics--63 years in a row.

A handwritten signature in black ink that reads "Julie A. Holloway". The signature is fluid and cursive, with the first and last names being more prominent.

Julie A. Holloway, President

**OFFICERS AND DIRECTORS 2013-2014**  
**STANDING COMMITTEES 2013-2014**  
**AMERICAN ACADEMY OF FIXED PROSTHODONTICS**

**President**

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## DIRECTOR 2014

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Gerry Santulli

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Patchanee Rungruanganunt

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## CREDENTIALS COMMITTEE

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Avi Bidra 2014, Secretary  
Geoff Thompson 2014  
Caroline Nguyen 2015  
Nick Abu Jamra 2016

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Jane Brewer 2015, Program Co-Chair  
Jennifer Kuracina 2015, Program Co-Chair  
John Agar, Ex Officio  
Radi Masri Ex Officio  
Charles Goodacre, Ex Officio  
Julie Holloway, Ex Officio

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Alex Chan 2014  
Randy Vaughan 2014  
Keith Guzaitis 2014  
Len Lofstrom 2014  
Myron Winer 2014, AV Consultant  
Judy Yuan, Ad hoc  
Fatemeh Afshari, Ad hoc

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Steve Morgano 2014  
Radi Masri 2015  
Steve Aquilino 2016

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Nadim Baba 2014  
Elena Nazarova 2014  
Lino Calvani 2015  
Carl Driscoll 2014  
Matthew Kattadiyil 2016

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Patchnee Rungruanunt 2014  
Mijin Choi 2015

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Fei Liu 2018, Chair  
Craig Nietzke 2014  
Lillian Mitchell 2014  
Hai Zhang 2015  
Marianella Sierraalta 2019  
Peter Barndt 2019

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J. Robert Kelly 2015  
Stephen Rosenstiel 2014  
Jack Lipkin, President-Elect, 2015  
Steve Morgano, 2015

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Ron Woody 2017, Chair  
Art Rodriguez 2015  
Martin Land 2018  
John Townsend, Ad hoc

## BYLAWS COMMITTEE

Martin Land, Chair  
Curtis Werking 2016  
Gerry Santulli, Ad hoc

## BUDGET AND FINANCE COMMITTEE

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David Gratton 2014  
Jack Lipkin, President-Elect, Ex Officio  
Steve Morgano, Ex Officio  
Rick Jordan, Treasurer, Ex Officio

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Ariel Raigrodski 2014  
Nancy Chaffee 2016  
Stephen Rosenstiel, Ex Officio

## PUBLICITY AND COMMUNICATIONS COMMITTEE

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Elena Nazarova 2014, Photographer  
Sangeetha Raghavendra 2014  
Stephen Rosenstiel, Ex Officio  
Rafael Castellon, Ad hoc

## ETHICS COMMITTEE

Steve Morgano, Vice President and Chair  
J. Stephen Brousseau 2015  
Vinny Huang 2016

## CLAUDE R. BAKER TEACHING AWARD IN FIXED PROSTHODONTICS

Mijin Choi 2016, Chair  
Ariel J. Raigrodski 2014  
Alvin Wee 2014  
Lillian Mitchell 2015  
Judy Yuan 2016

## INFORMATION TECHNOLOGY COMMITTEE

Radi Masri 2017, Chair  
Shereen Azer 2014  
Caroline Nguyen 2016

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

Steve Morgano 2014, Chair  
Gerald Ziebert 2015  
Craig Neitzke 2015  
Mathew Kattadiyil 2016

## EXHIBITS COMMITTEE

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

## RESEARCH IN FIXED PROSTHODONTICS

### **Committee A:**

Fei Liu 2014, Chair  
Hai Zhang 2014  
Peter Barndt 2014

### **Committee B:**

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

## **AD HOC COMMITTEES 2013-2014**

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

Kent Knoernschild, Chair

Shereen Azer

Alejandro Peregrina

John Agar

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

Burney Croll, Chair

Peter Lund

Sarah Johnson

## **STANDING PRESIDENTIAL APPOINTMENTS 2013-2014**

### **PARLIAMENTARIAN**

Martin Land

### **SECRETARY FOR GUESTS**

Richard Jordan

### **MEETING DIRECTOR**

Igor Pesun

### **CHAPLAINS**

Earl Stover

Sarita Arteaga

### **ACP PROSTHODONTIC FORUM REPRESENTATIVES**

Julie Holloway

Steve Morgano, 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	*date listed is date awarded - award adjudicated in the preceding year
1994: Syed Faheem Rasool	
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	2005:	Charles J. Goodacre
1993:	Ernest B. Nuttall	2006:	Kenneth Malament
	Max Kornfeld	2007:	Stephen D. Campbell
1994:	Robert J. Nelson	2008:	Don G. Garver
1995:	Everitt V. Payne	2009:	Steven Aquilino
1996:	Samuel E. Guyer	2010:	Harold Litvak
1997:	Roland W. Dykema	2011:	Bill B. Lefler
1998:	Herbert T. Shillingburg, Jr.	2012:	Denny M. Smith
2000:	Lloyd L. Miller	2013:	Jesse T. Bullard
2001:	Ralph Yuodelis		
2002:	Robert S. Staffanou		
2003:	Maurice H. Martel		
2004:	Ronald D. Woody		

## PREVIOUS BAKER AWARD RECIPIENTS

2003:	Alvin Wee
2004:	Ariel Raigrodski
2005:	Nyung G. Chang
2006:	Patchnee Rungruanunt
2007:	Shigemi Ishikawa-Nagai
2009:	Nadim Baba
2010:	Mijin Choi
2011:	Lillian M. Mitchell
2012:	Judy C-C Yuan
2013:	Not Awarded

## PREVIOUS GARVER-STAFFANOU PROSTHODONTIC RESIDENCY EDUCATOR AWARD RECIPIENTS

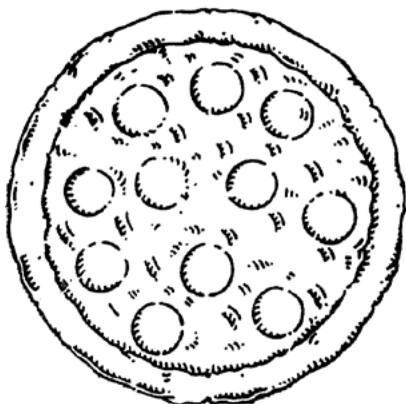
2010:	Gerald Ziebert
2011:	Carl Jerry Andres
2012:	John R. Agar
2013:	William Nagy

## 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 20, 2014**

**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

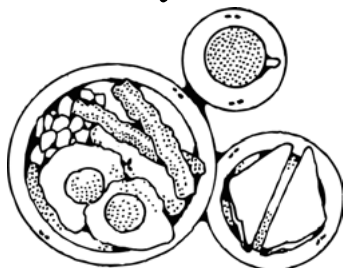
**SATURDAY, FEBRUARY 22, 2014**

**7:00 AM,**

*Lincolnshire Room*

Salon I & II (6th Floor)

New Members, Past Presidents, Officers,  
Directors Only Please.





## 2014 PROGRAM CHAIR



Dr. Nancy Chaffee

## 2013 PROGRAM CO-CHAIRS



Dr. John Agar & Dr. Radi Masri

## 2015 PROGRAM CO-CHAIRS



Dr. Jane Brewer & Dr. Jennifer Kuracina

## EXHIBITOR DIRECTORY

### Dr. Shereen Azer, Chair Exhibits Committee

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

<b>Company</b>	<b>Booth</b>
1. Biomet 3i Bronze Sponsor*	134-135
2. Brasseler USA	104
3. Cusp Dental Research, Inc.	102
4. Dentsply Implants, Platinum Sponsor*	120-121
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17. Ultradent Products, Inc.	137
18. Valley Dental Arts, Inc.	124
19. Whip Mix Corporation	118-119
20. Yodle	132
21. Thommen Medical	106
22. DDS Refining	107
23. BioHorizons	117

\* Sponsors

## POSTER PRESENTATIONS PROGRAM AAFP 2014

The American Academy of Fixed Prosthodontics  
63rd Annual Scientific Session  
Friday, February 21, 2014  
The Chicago Marriott Hotel Downtown  
5:15 - 7 :00 p.m. Chicago Ballroom, 5th Floor

- 1- Title: Practice-based clinical evaluation of ceramic single crowns after at least 5 years – First Place  
Tylman Award  
Presenter: Dr. Matilda Dhima  
Mentor: Dr. Thomas J. Salinas  
Institution: Mayo Clinic Department of Dental Specialties
- 2- Title: Clinical outcomes of three different crown systems using CAD/CAM technology - Second Place  
Tylman Award  
Presenter: Dr. Emily R. Batson  
Mentor: Dr. Lyndon F. Cooper  
Institution: University of North Carolina at Chapel Hill
- 3- Title: Effect of occlusal vertical dimension on lip positions at smile - Third Place Tylman Award  
Presenter: Dr. Jang-Ching Chou  
Mentor: Dr. Geoffrey A. Thompson  
Institution: Marquette University, Wisconsin
- 4- Title: G.B.R. and ridge splitting techniques to restore a failed implant site  
Presenter: Dr. Aurora Dibner  
Mentor: Dr. John Agar  
Institution: University of Connecticut
- 5- Title: Successful approach with lithium disilicate to restore tetracycline staining  
Presenter: Dr. Kiyono Yamashita & Dr. Abdulaziz Binrayes  
Mentor: Dr. Michael Razzoog  
Institution: University of Michigan
- 6- Title: The effect of glow discharge treatment on Captek substructure-porcelain in fabrication of metal ceramic crowns  
Presenter: Dr. Myung Jin Nam  
Mentor: Dr. Hyeongil Kim  
Institution: University of Buffalo
- 7- Title: Effect of disinfectant type and contact time on VPS impression strength  
Presenter: Dr. Dong S. Lee  
Mentor: Col. Dr. Van Ramos Jr.  
Institution: US Army, Fort Gordon, GA

## 2014 POSTER PROGRAM CONTINUED

- 8- Title: The effect of disinfection on various shade tabs  
 Presenter: Dr. Peterson Y Huang  
 Mentor: Dr. Radi Masri  
 Program Dir.: Dr. Carl Driscoll  
 Institution: University of Maryland
- 9- Title: Novel guided surgical approach for placing 3.0-mm Nobel Active implants  
 Presenter: Dr. Feras Alhalabi  
 Mentor: Dr. Michael Razzoog  
 Institution: University of Michigan
- 10-Title: Orthodontics and closed tooth exposure to augment bone volume in the premaxilla  
 Presenter: Dr. Kendall James  
 Mentor: Dr. Heather Conrad  
 Institution: University of Minnesota
- 11-Title: Effect of biofilm on the mechanical properties and repair strength of denture acrylic  
 Presenter: Dr. Graham Meng  
 Mentor: Dr. Cortino Sukotjo  
 Program Dir.: Dr. Kent L. Knoernschild  
 Institution: University of Illinois-Chicago
- 12-Title: A comparison of two facebow systems: Kois Dento-Facial analyzer vs. Pana-Mount Facebow  
 Presenter: Dr. Laura H. Lux  
 Mentor: Dr. Geoffrey Thompson  
 Institution: Marquette University, Wisconsin
- 13-Title: Restoration of an edentulous maxillary arch with non-splinted implant-supported fixed dental prostheses  
 Presenter: Dr. Rajendar Matta  
 Program Dir.: Dr. Donald Belles  
 Institution: University of Texas at Houston
- 14-Title: Musculoskeletal Disorders in Dentistry  
 Presenter: Dr. Kim Se Jong  
 Mentor: Dr. Radi Masri  
 Program Dir.: Dr. Carl Driscoll  
 Institution: University of Maryland
- 15-Title: Simplified technique to achieve contour and function on implant retained zirconia prosthesis  
 Presenter: Dr. Ahmed Maawadh  
 Mentor: Dr. Peter Yaman  
 Program Dir.: Dr. Michael Razzoog  
 Institution: University of Michigan

## 2014 POSTER PROGRAM CONTINUED

- 16-Title: Oral moisturizers, help or harm?  
 Presenters: Dr. Alex J. Delgado and Dr. Vilhelm G. Olafsson  
 Mentor: Dr. Terence Donovan  
 Program Dir: Dr. Lyndon F. Cooper  
 Institution: University of North Carolina
- 17-Title: The effect of implant number and distribution on the load transfer in implant-supported fixed prostheses on the anterior maxilla  
 Presenters: Professor Hye-Won cho and Professor Jai-In Lee  
 Institution: Wonkwang University
- 18-Title: An alternative approach to immediate loading of dental implants  
 Presenter: Dr. Waled M. Alshhrani  
 Mentor: Dr. Michael Razzoog  
 Institution: University of Michigan
- 19-Title: Passivity of metal implant framework: a review  
 Presenter: Dr. Jenin Yahya  
 Mentor: Dr. Carl Driscoll  
 Institution: University of Maryland
- 20-Title: Treating discolored teeth post trauma and root canal therapy: an alternative approach  
 Presenter: Dr. Mika Stefos  
 Mentor: Dr Michael Razzoog  
 Institution: University of Michigan
- 21- Title: Effect of impression disinfectant type/contact time on type IV stone castability  
 Presenter: Dr. Samuel Pyo  
 Mentor: Dr. Frederick Rueggeberg  
 Program Dir: Dr. Servando Ramos  
 Institution: U.S. Army, Fort Gordon, GA
- 22- Title: Optimizing the esthetic zone outcome on implant restoration with compromised interocclusal space  
 Presenters: Dr. Karina Pezo and Dr. Adriana Diaz  
 Mentor: Dr. John Levon  
 Institution: Indiana University
- 23-Title: Restoration of dental implants with milled titanium porcelain-fused-to-metal fixed partial denture  
 Presenter: Dr. Andres Sierralta  
 Mentor: Dr. Michael Razzoog  
 Institution: University of Michigan
- 24- Title: Improving the ability of the PES and WES in predicting patient satisfaction  
 Presenter: Dr. Goth Siu  
 Mentor: Dr. Cortino Sukotjo  
 Institution: University of Illinois at Chicago

## 2014 POSTER PROGRAM CONTINUED

- 25- Title: Effect of disinfectant type and contact time on VPS impression wettability  
 Presenter: Dr. Young S. Kang  
 Mentor: Dr. Servando Ramos  
 Institution: U.S. Army, Fort Gordon, GA
- 26- Title: Computer assisted design and manufacturing in diagnostic fixed prosthodontics  
 Presenter: Dr. Michael Andersen  
 Mentor: Dr. Peter Barndt  
 Institution: Naval Dental School, Bethesda, Maryland
- 27- Title: The effect of critical contour and subcritical contour in the peri-implant soft tissue esthetics  
 Presenters: Dr. Despoina Bompolaki and Dr. Viet Ho  
 Mentor: Dr. William Nagy  
 Institution: Baylor College of Dentistry, Dallas, TX
- 28- Title: Influence of the operator in the amount of energy that is delivered by two different light curing units  
 Presenters: Dr. Luiz H. Gonzaga and Dr. Nicholas E. Goetz  
 Mentor: Dr. Jean-Francois Roulet  
 Institution: University of Florida
- 29- Title: Failure of reinforced implant-supported fixed detachable prosthesis compared to conventional techniques  
 Presenters: Dr. Jack Goldberg and Dr. Gelareh Ronaghi  
 Mentor: Dr. Winston Chee  
 Institution: University of South California
- 30- Title: Conservative indirect restorations as an alternative to post and core  
 Presenters: Dr. Areti Vrochari and Dr. Vanessa Reher  
 Mentor: Prof Vasilios Chronopoulos  
 Institution: Griffith University, Gold Coast, Australia
- 31- Title: Silent reflux: A hidden killer  
 Presenter: Dr. John Chamberlain  
 Mentor: Dr. Peter Barndt  
 Institution: Naval Dental School, Bethesda, Maryland
- 32- Title: An introduction to pink-white zirconia abutment: clinical report  
 Presenters: Dr. Antigoni Stylianou and Dr. Ramtin Sadid-Zadeh  
 Mentors: Dr. Sandra J. O'Neal and Dr. Preng-Ru Liu  
 Program Dir.: Dr. Keith E. Kinderknecht  
 Institution: University of Alabama

## 2014 POSTER PROGRAM CONTINUED

- 33- Title: Diagnostic provisional for a patient with a severe gag reflex  
 Presenter: Dr. Karam Alrousan  
 Mentor: Dr. Michael Razzoog  
 Institution: University of Michigan
- 34- Title: Utilization of angled implants to treat combination syndrome  
 Presenter: Dr. Lynn Kiangsoontra  
 Mentor: Dr. Heather Joan Conrad  
 Institution: University of Minnesota
- 35- Title: Fabrication of a complete veneer crown using E4D: A case report  
 Presenter: Dr. Jorge Garaicoa  
 Mentor: Dr. Ghadeer Thalji  
 Institution: University of Iowa
- 36- Title: The effect of the lips and facial portrait in analyzing the white esthetic score  
 Presenter: Dr. Alexandra Polus  
 Mentor: Dr. Cortino Sukojo  
 Program Dir.: Dr. Kent L. Knoernschild  
 Institution: University of Illinois at Chicago
- 37- Title: The effect of CAMBRA recommended anti-caries agents on surface roughness of dental porcelain  
 Presenter: Dr. Dima Ghunaim  
 Mentor: Dr. Radi Masri  
 Program Dir.: Dr. Carl Driscoll  
 Institution: University of Maryland
- 38- Title: Accuracy of dental casts fabricated using three intraoral scanners  
 Presenter: Dr. Sebastian B. M. Patzelt  
 Mentor: Prof. Dr. H.C. Jorg R. Strub  
 Institution: University of Freiburg, Freiburg, Germany and University of Maryland
- 39- Title: The pink esthetic and white esthetic scores: Clinical example  
 Presenters: Dr. Sarah P. Allen and Dr. Maria Chatzinikola  
 Mentor: Dr. William Nagy  
 Institution: Postgraduate Prosthodontic Program, Baylor, Texas
- 40- Title: Prosthodontic reconstruction for gunshot injury to maxilla & mandibular anterior segments: A case report  
 Presenter: Dr. Lisa Hoang  
 Mentor: Dr. Geoffrey Thompson  
 Institution: Marquette University, Wisconsin

## 2014 POSTER PROGRAM CONTINUED

- 41- Title: CAD/CAM planning and design for the rehabilitation of the esthetic zone  
 Presenter: Dr. Anastasia Katsavochristou  
 Mentor: Dr. Michael Razzoog  
 Institution: University of Michigan
- 42- Title: Use of template for esthetic evaluation and radiographic guide  
 Presenter: Dr. James Fischer  
 Mentor: Dr. William Nagy  
 Institution: Postgraduate Prosthodontic Program, Baylor, Texas
- 43- Title: Cracked tooth syndrome  
 Presenter: Dr. Priscilla Sia  
 Mentor: Dr. Radi Masri  
 Program Dir: Dr. Carl Driscoll  
 Institution: University of Maryland
- 44- Title: Errors in surgical planning  
 Presenter: Dr. Noel Rodriguez  
 Mentor: Dr. Peter Barndt  
 Institution: Naval Dental School, Bethesda, Maryland
- 45- Title: Prosthetic space analysis and space creation for implant-supported prostheses  
 Presenter: Dr. Kimberly A. Farrell  
 Mentor: Dr. John Agar  
 Institution: University of Connecticut
- 46- Title: A multidisciplinary approach for a patient with Amelogenesis Imperfecta: Clinical report  
 Presenter: Dr. Eleni Voltidi  
 Mentors: Dr. Sandra J. O'Neal and Dr. Preng-Ru Liu  
 Program Dir.: Dr. Keith E. Kinderknecht  
 Institution: University of Alabama
- 47- Title: Alternative design for fixed hybrid prosthesis with lithium disilicate teeth  
 Presenter: Dr. James Linkous  
 Mentor: Dr. Peter Barndt  
 Institution: Naval Dental School, Bethesda, Maryland
- 48- Title: Full-mouth rehabilitation of an edentulous patient with monolithic screw-retained zirconia prostheses  
 Presenter: Dr. Rocio Barocio  
 Mentor: Dr. Sandra J. O'Neal and Dr. Preng-Ru Liu  
 Program Dir.: Dr. Keith E. Kinderknecht  
 Institution: University of Alabama
- 49- Title: Implant dentistry: Prosthetic problems  
 Presenters: Dr. Jesus Osorio and Dr. Gabriel Munoz  
 Mentor: Dr. Antonio Camacho  
 Institution: Dental School of Mexicali, UABC, Mexico



## 2014 POSTER PROGRAM CONTINUED

- 50- Title: An alternative technique for screw-retained prosthesis with facial access holes  
 Presenter: Dr. Chady Elhage  
 Mentor: Dr. Michael Razzoog  
 Institution: University of Michigan
- 51- Title: Methods of locating abutment screw access in cement-retained implant prosthesis  
 Presenters: Dr. P'Jay Merrell and Dr. Edward A. Palos  
 Mentor: Dr. William Nagy  
 Institution: Postgraduate Program, Baylor, Texas
- 52- Title: Reliability of E4D compare software: An inter-rater evaluation  
 Presenters: Dr. Ahmed Mahrous and Dr. Kan Wongkamhaeng  
 Mentor: Dr. Ghadeer Thalji  
 Institution: University of Iowa
- 53- Title: Innovative technique to determine smile line directly  
 Presenter: Dr. Yacoub N. Al Sakka  
 Mentor: Dr. John Levon  
 Institution: University of Connecticut, Indiana University
- 54- Title: Unmet medical and dental needs of adults with cleft lip and/or palate  
 Presenters: Dr. Maureen Libby and Dr. Andreina Cordido-Enriquez  
 Mentor: Dr. William Nagy  
 Institution: Postgraduate Program, Baylor, Texas
- 55- Title: Tissue management and retraction utilizing soft tissue laser  
 Presenter: Dr. William Maxwell Wahle  
 Mentor: Dr. Carl Driscoll  
 Institution: University of Maryland
- 56- Title: A novel technique for immediate loading for a provisional implant-supported fixed complete denture (injectable technique)  
 Presenter: Dr. Alvaro Blasi  
 Mentor: Dr. Jimmy Londono  
 Institution: Georgia Regents University, Augusta, Georgia
- 57- Title: Finger fit custom tray for full arch pick up implant level impression  
 Presenter: Dr. Remi Elkattah  
 Mentor: Dr. Jimmy Londono  
 Institution: Georgia Regents University, Augusta, Georgia

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**THE AMERICAN ACADEMY OF FIXED PROSTHODONTICS  
SIXTY-THIRD ANNUAL SCIENTIFIC SESSION  
FRIDAY, FEBRUARY 21, 2014**

**THE ART AND SCIENCE  
OF PATIENT REHABILITATION**

- 7:00 a.m. Registration, 7th Floor Foyer  
Continental Breakfast in Exhibit Hall, Salon III
- 8:00 a.m. WELCOME: Dr. Julie A. Holloway, President
- 8:10 a.m. Introductory Remarks, Dr. Nancy Chaffee, Program Chair
- 8:15 a.m. Dr. Ricardo Mitrani  
Treatment Design -  
A Restoratively Driven Interdisciplinary Endeavor
- 9:00 a.m. Dr. Robert Winter  
Outcome Based Preparation Design
- 9:45 a.m. REFRESHMENT BREAK IN THE 7th FLOOR EXHIBIT HALL  
All members, guests and students invited
- 10:30 a.m. Dr. Tyler Lasseigne  
Management of the Aesthetic Compromised Patient
- 11:15 a.m. Dr. Gary DeWood  
The Art of Applying the Science
- 12:00- ANNUAL LUNCHEON FOR MEMBERS, GUESTS,  
AND GRADUATE STUDENTS  
5th Floor Chicago Ballroom
- 2:00 p.m. Dr. John Kois  
The Myth of Anterior Guidance
- 2:45 p.m. Dr. James Friction  
Evidence-Based Rehabilitation of TMD
- 3:30- REFRESHMENT BREAK IN THE 7th FLOOR EXHIBIT HALL  
All members, guests and students invited
- 4:00 p.m. Dr. Daniel Edelhoff  
CAD/CAM-Generated High-Density Polymer Restorations for the  
Pre-treatment of Complex Cases
- 4:45 p.m. Closing Comments
- 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-THIRD ANNUAL SCIENTIFIC SESSION  
SATURDAY, FEBRUARY 22, 2014**

**THE ART AND SCIENCE  
OF PATIENT REHABILITATION**

- 7:00 a.m. Registration, 7th Floor Foyer  
Continental Breakfast in Exhibit Hall, Salon III
- 8:00 a.m. Ms. Karen Baker  
Drug Interactions and Reactions Important in Prosthodontics
- 8:45 a.m. Dr. David Eggleston  
Gummy Smiles, Laser Dentistry, and the Biologic Width
- 9:30 a.m. Dr. Michael Ragan  
Limiting Exposure in the Contemporary Dental Practice
- 10:15 a.m. REFRESHMENT BREAK IN THE 7th FLOOR EXHIBIT HALL  
All members, guests and students invited
- 10:45 a.m. Dr. Ed McLaren  
CERAMIC WARS: The Return of the Ceramist
- 11:30 p.m. Mr. Nondas Vlachopoulos  
Full Ceramic Aesthetic Restorations
- 12:15- LIGHT LUNCHEON  
1:45 p.m. Food Served in the 7th Floor Exhibit Hall, Salon III  
(Exhibits will close at the start of the afternoon program)
- 1:45 p.m. Dr. Ken Anusavice  
Enhancing the Survival of Ceramic Restorations
- 2:30 p.m. Dr. Dennis Fasbinder  
Restorations Done Digitally
- 3:15 p.m. Dr. Sascha Jovanovic  
Hard and Soft Tissue Augmentation
- 4:00 p.m. POSTER AWARDS  
Dr. Sarit Kaplan, Posters Committee Chair
- 4:15 p.m. CLOSING REMARKS  
Dr. Nancy Chaffee, Program Chair  
Dr. Julie Holloway, President

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



## **DR. RICARDO MITRANI**

*Treatment Design - A Restoratively Driven  
Interdisciplinary Endeavor*

**Friday, February 21, 2014 | 8:15 a.m.**

### **Synopsis:**

One of the biggest challenges in contemporary dentistry is facilitating effective communication among the various specialties. This challenge is magnified by the patient's desire for esthetically driven treatment options.

A significant number of contemporary interdisciplinary dynamics concern treatment in which either lost tissue (hard or soft) is added or redundant tissue is removed for a dentogingival correction. To obtain consistent and predictable results, surgeons, restorative dentists, orthodontists and dental technicians should work closely together as a team.

This presentation will examine effective communication tools among the various specialists when considering conventional restorative dentistry and implant-supported restorations. It will also describe the diverse clinical criteria for formulating treatment plans to address the different needs of patients, starting with the systematic collection of data and then directing therapy to ensure periodontal health and biomechanical and functional harmony in an esthetic outcome.

### **Objectives:**

- Improve Treatment planning skills
- Understand the benefits of interdisciplinary management.
- Improve communication between the treating team members.

### **Curriculum Vitae:**

Dr. Mitrani received his DDS degree from the UNITEC University of México City; he then obtained a certificate in prosthodontics as well as a Master of Science in Dentistry from The University of Washington, where he served as the graduate prosthodontics program's assistant director in 2001. He currently holds academic affiliations at The University of Washington, University of Valencia in Spain and the National University of Mexico. He is a member of many professional organizations and serves as a member on the editorial board of several prestigious journals. Dr. Mitrani has authored numerous scientific publications and chapters in textbooks in the fields of implant prosthodontics and aesthetic dentistry and he has given more than 330 lectures in over 25 countries all over the world. Dr. Mitrani maintains a private practice limited to prosthodontics and implants in México City.



## **DR. ROBERT WINTER**

*Outcome Based Preparation Design*

**Friday, February 21, 2014 | 9:00 a.m.**

### **Synopsis:**

There must be a clear vision of the biologic, functional, and esthetic outcome before beginning treatment. Each clinical scenario is different, and without this vision, the appropriate amount of tooth preparation cannot be performed to assure that there is an adequate thickness of the restorative material to achieve the desired durability and esthetic outcome.

Tooth preparation, its design and depth of reduction, should be performed with clear intent to achieve the desired goals or outcomes for each case.

A systematic thought process will be presented along with the specific depth reduction burs which will allow the dentist and technician to achieve their goals and those of their patients.

### **Objectives:**

- Describe the steps needed to create a vision of the desired treatment outcome prior to tooth preparation.
- Decide the appropriately conservative preparation design required to achieve the desired outcome of patient treatment.
- Understand how tooth preparation and restorative material selection influences the esthetic and functional success of a case.

### **Curriculum Vitae:**

Dr. Winter graduated in 1981 from Marquette University School of Dentistry, and in 1983 completed his Prosthodontic Specialty Residency in Milwaukee, Wisconsin at the VA Medical Center. For the past 29 years he has maintained a private practice limited to Prosthodontics and taught clinical and technical courses. Dr. Winter maintains a private practice limited to Prosthodontics, is on staff at Spear Education in Scottsdale, Arizona, and is a partner in the Winter Laboratory located in Laguna Beach, California.



## DR. TYLER LASSEIGNE

*Management of the Aesthetic  
Compromised Patient*

Friday, February 21, 2014 | 10:30 a.m.

### Synopsis:

1. Apply aesthetic design principles to determine the aesthetic possibilities and limitations in complex rehabilitations.

-Aesthetic design principles were developed based on norms and applied clinically to determine aesthetic predictability of a patient. This systematic approach evaluates and records the "Smile Line", "Incisal Profile", "Incisal Length", "Incisal Proportions", "Smile Progression", "Gingival Symmetry" and "Desired Volume".

2. Preplan for aesthetic and restorative success using "Active Diagnostics".

-The term "Active Diagnostics" allows the clinician to identify factors while the patient functions to determine the source of the problem and to devise the best treatment strategy. "Active Diagnostics" may be used aesthetically to establish correct proportions and length. It may also be used to evaluate vertical dimension and test-drive the new occlusal scheme.

3. Achieve optimal provisional integration and test the biologic, esthetic, and functional parameters for the definitive restorations.

-The main purpose of the provisional restoration is to produce a precise reproduction of the diagnostic wax-up that can be accurately adapted in the oral cavity. The provisional restoration serves as the prototype for the definitive restorations.

4. Occlusal precautions and protection strategies for long-term survival of dental ceramic material.

### Objectives:

- Learn how to select a composite resin material based on mechanical and physical properties.
- Learn how to successfully increase vertical dimension using resin-based materials during trial therapy.
- Learn occlusal strategies design to optimize long-term success

### Curriculum Vitae:

Dr. Tyler P. Lasseigne is an assistant professor in the Department of Prosthodontics at Louisiana State University School of Dentistry. He maintains a private practice limited to comprehensive restorative dentistry in Baton Rouge, Louisiana. Dr. Lasseigne received his postgraduate education in prosthodontics at LSUSD while obtaining certification in Dental Lab Technology. He now serves as adjunct faculty at Georgia Regents University College of Dental Medicine and is a member of numerous professional academies. In addition to a private practice, Dr. Lasseigne is an educator and expert in aesthetics and comprehensive dentistry.



## **DR. GARY DEWOOD**

*The Art of Applying the Science*

**Friday, February 21, 2014 | 11:15 a.m.**

### **Synopsis:**

We train continuously in the science of exceptional restorative dentistry, the science of patient rehabilitation. The art lies in being invited to apply that science. To practice the science of dental rehabilitation, we must become skilled in restoring the capacity of our patients for health, we must rehabilitate the way they think and help them see (and desire) their possible future. When art and science are thus blended, patients become our co-therapists in their dental rehabilitation. The art powers the science.

### **Objectives:**

- Recognize how conditioning has created for each patient an understanding and expectation of dentistry and of dental health
- Undertake dental rehabilitation of the patient as well as the definition
- Create a desire for health that leads patient and doctor to solutions

### **Curriculum Vitae:**

A native of Toledo, Ohio, Gary earned a B.S. in Education from Bowling Green State University, Bowling Green, Ohio and a D.D.S. from Case Western Reserve University in Cleveland. He completed a General Practice Residency at Miami Valley Hospital in Dayton, Ohio and entered private practice. In 2004 he earned an M. S. in Biomedical Sciences at The University of Toledo College of Medicine.

Gary holds or has held appointments as:

Assistant Professor at The University of Toledo College of Medicine

Associate Professor at The University of Tennessee College of Dentistry

Clinical Director at The Pankey Institute

Director of Business Systems at The Pankey Institute

Director of Marketing and Publications at The Pankey Institute

President of The Seattle Institute

Executive VP for Curriculum and Clinical Education of Spear Education

Gary has presented to international audiences in the areas of occlusion, temporo-mandibular disorders, bite splint therapy, restorative dentistry, esthetics, financial management, and practice management.

Gary is a member of the ADA, the Arizona Dental Association, the Central Arizona Dental Society, the American Equilibration Society, the American Academy of Fixed Prosthodontics, and the American Academy of Cosmetic Dentistry.





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

**Friday, February 21, 2014 | 12:00 p.m.**

**2014 STANLEY D. TYLMAN RESEARCH AWARDS\***

Dr. Fei Liu, Chair, Tylman Research Committee

**FIRST PLACE AWARD**

Dr. Matilda Dhima

Mayo Clinic Department of Dental Specialties

Research Advisor and Program Director:

Dr. Thomas J. Salinas

**SECOND PLACE AWARD**

Dr. Emily R. Batson

University of North Carolina at Chapel Hill

Research Advisor and Program Director:

Dr. Lyndon F. Cooper

**THIRD PLACE AWARD**

Dr. Jang-Ching Chou

Marquette University, Wisconsin

Research Advisor and Program Director:

Dr. Geoffrey A. Thompson

**SPECIAL RECOGNITION**

Dr. Earl Stover

Chaplain Emeritus

**SPECIAL RECOGNITION**

Dr. Myron Winer

Audio-Visual Consultant

**CLAUDE BAKER FACULTY AWARD**

Dr. Mijin Choi, Chair, Claude Baker Award Committee

Dr. Alexander Bendayan

2014 Recipient

**GARVER-STAFFANOU PROSTHODONTIC PROGRAM**

**DIRECTOR'S AWARD FOR EXCELLENCE**

Dr. Steve Morgano, Chair, Garver-Staffanou Award Committee

Dr. Carl Driscoll

2014 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. Stephen F. Rosenstiel

2014 Recipient

**PRESENTATION OF NEW AAFP MEMBERS**

Dr. Sangeetha Raghavendra, 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. JOHN KOIS**

*The Myth of Anterior Guidance*

**Friday, February 21, 2014 | 2:00 p.m.**

### **Synopsis:**

The role of anterior guidance is an assumption based on the concept of “Mutual Protection” not science. The problem of resolving biological concerns with mechanical solutions is not logical. When our patients undergo mastication the guidance we create may overload the anterior teeth leading to excessive friction, structural failure, tooth mobility, spacing, and temporomandibular dysfunction. This lecture will explore this paradox and develop better ways to reduce these risks.

### **Objectives:**

- Understand the envelope of function specific to the patient being treated.
- Create the communication keys necessary for the laboratory technician.
- Material selection cannot overcome improper occlusal management.

### **Curriculum Vitae:**

Received his D.M.D. from the University of Pennsylvania, School of Dental Medicine and Certificate in Periodontal Prosthodontics with an M.S.D. degree from the University of Washington, School of Dentistry. He maintains a private practice limited to Prosthodontics in Tacoma and Seattle and is an Affiliate Professor in the Graduate Restorative Program at the University of Washington. Dr. Kois continues to lecture nationally and internationally, is a reviewer for many journals and is the co-Editor in Chief for The Compendium of Continuing Education in Dentistry. Dr. Kois is the recipient of the 2002 Saul Schluger Memorial Award for Clinical Excellence in Diagnosis and Treatment Planning, and received a Lifetime Achievement Award from both the World Congress of Minimally Invasive Dentistry and the American Academy of Cosmetic Dentistry. He is the past President of both the American Academy of Restorative Dentistry and American Academy of Esthetic Dentistry and a member of numerous other professional organizations. In addition, he continues to work with restorative dentists at the Kois Center, a didactic and clinical teaching program.



## **DR. JAMES FRICTON**

*Evidence-Based Rehabilitation of TMD*

**Friday, February 21, 2014 | 3:15 p.m.**

### **Synopsis:**

Recent systematic reviews has led to significant progress in encouraging evidence-based diagnosis and management of TMD and orofacial pain. This presentation will review the most current research and evidence regarding treatment strategies for these disorders. Innovations that will be presented to improve diagnosis and treatment outcome and include systematic reviews of randomized controlled trials, research on decision trees to treat muscle and joint disorders, predictors of outcome, and strategies for personalized care ranging from self-care and pharmacology to physical medicine treatment, splints, and interdisciplinary team management. It is hoped that this lecture will provide the clinician an evidence-based and practical approach for successful management of TMD and orofacial pain.

### **Objectives:**

- Understand the rationale and methods for evidence-based care and conducting systematic reviews
- Learn the literature on RCTs for reversible TMD treatments including splints, medication, behavioral therapy, and physical medicine modalities.
- Be able to integrate the results of systematic reviews of TMD therapies into clinical practice.

### **Curriculum Vitae:**

Dr. James Friction is a Professor in the University of Minnesota Schools of Public Health, Medicine, and Dentistry as well as a Senior Research Associate in Health Partners Research Foundation. He maintains an active clinical practice at the Minnesota Head and Neck Pain Clinic in Plymouth and St. Paul, Minnesota for patients with head and neck pain. He has over thirty years of experience in patient care, research, and teaching in TMD and orofacial pain and other chronic illnesses as well as the impact of health information technology on improving safety, quality, and cost effectiveness of health care and consumer health. Dr. Friction also has had research funding from National Institutes of Health and other sponsors to conduct studies on the etiology of chronic pain, clinical trials for management of TMD and orofacial pain, development of evidence-based clinical decision support, and consumer engagement in enhancing health.



## **DR. DANIEL EDELHOFF**

*CAD/CAM-Generated High-Density Polymer Restorations for the Pre-treatment of Complex Cases*

**Friday, February 21, 2014 | 4:00 p.m.**

### **Synopsis:**

Complex rehabilitations represent a particular challenge for the restorative team, especially if the vertical dimension of occlusion needs to be reconstructed. CAD/CAM technology enables the use of prefabricated polymer materials, which are fabricated under industrial conditions to form a highly homogeneous structure. This increases long-term stability, biocompatibility and resistance to wear. Furthermore, they offer more suitable CAD/CAM-processing characteristics compared to ceramic restorative materials. The lecture presents new treatment concepts with high-density polymer restorations for the pre-treatment of complex cases.

### **Objectives:**

- Receive information about the newest technological developments in diagnostics including 3D-FaceScanner, digital registration, as well as CAD/CAM-fabricated tooth colored splints.
- Identify the key-elements of team communication to create predictable results in VDO change.
- Understand material selection criteria for adequate use of CAD/CAM-fabricated bonded long-term provisional restorations.
- Learn how to manage the economization of tooth structure removal according to diagnostic template.
- Discover the esthetic/functional potential and limitations of new introduced restorative materials.
- Learn more about new concepts in implant-superstructure design

### **Curriculum Vitae:**

Daniel Edelhoff is Certified Dental Technician and tenured Associate Professor at the Department of Prosthodontics and Dental Material Sciences at the Ludwig-Maximilians-University in Munich. He is a board certified Specialist in Prosthodontics and Vice President of the German Association of Dental Technology. Daniel Edelhoff is Associate Member of the American Academy of Esthetic Dentistry (AAED) and International College of Dentists (ICD). His research activities are related to all-ceramic restorations, high-density polymers, CAD/CAM-technology, and implant prosthetics.



## **MS. KAREN BAKER**

*Drug Interactions and Reactions  
Important in Prosthodontics*

**Saturday, February 22, 2014 | 8:00 a.m.**

### **Synopsis:**

Dental patients are becoming more chemically challenged which means that clinicians must consider the dental treatment impact of chronic drug therapy or chemical exposure. This program will provide clinically useful information on identification and management of intra-oral drug and chemical effects and potential drug interactions with dental drugs. Drug-induced effects such as bruxism, increased gag reflex, candidosis and xerostomia will be examined. Chemical effects such as mucosal irritation, sensitivity and ulcerations will also be described. Extensive handouts will supplement this fast-paced lecture with emphasis on practical clinical management of medicated dental patients.

### **Objectives:**

- list four chronic medications that limit vasoconstrictor dosage,
- describe the most common causes of xerostomia, taste disorders, oral pigmentation, chemical sensitivity and mucositis, and
- discuss dental management strategies for xerostomia, halitosis and mucositis.

### **Curriculum Vitae:**

Professor Karen A. Baker has been on the Dental College faculty at the University of Iowa for 31 years and occupies a unique role in dental practice and education. She is a clinical pharmacist with a Master's degree in clinical pharmacology and therapeutics and is focused on patient-specific dental drug therapy. She has given over 900 programs nationally and internationally and holds memberships in many dental and clinical pharmacology and therapeutics organizations. Her dental education-based pharmacy and drug therapy consultation center is the only one in the United States. She has authored more than 50 articles and abstracts and lectures extensively in pre-doctoral and graduate-level courses at the University of Iowa.



## **DR. DAVID EGGLESTON**

*Gummy Smiles, Laser Dentistry, and the  
Biologic Width*

**Saturday, February 22, 2014 | 8:45 a.m.**

### **Synopsis:**

The misuse of laser dentistry in the treatment of gummy smiles can result in the violation of the biologic width.

A case of biologic width violation with laser dentistry will be presented as an extreme departure from the dental standard of care resulting in a malpractice lawsuit.

Mechanical and laser surgical violations of the biologic width will be identified along with the timing of the gingival response and the influence of thick and thin alveolar bone biotypes.

### **Objectives:**

- The inherent risks of laser surgery to treat a gummy smile.
- Legal ramifications of violating the biologic width.
- Influence of anatomical variations in response to violation of the biologic width.

### **Curriculum Vitae:**

Dr. Eggleston is a private practitioner in Newport Beach, California. He is a Member of the Board of Councilors at the Ostrow School of Dentistry of USC, Past President of the American Board of Prosthodontics, Past President of the American College of Prosthodontists, Past President of the Academy of Prosthodontics, and Past President of the Pacific Coast Society for Prosthodontics.



## **DR. MICHAEL RAGAN**

*Limiting Exposure in the Contemporary Dental Practice*

**Saturday, February 22, 2014 | 9:30 a.m.**

### **Synopsis:**

The spectrum of practice in dental medicine has increased significantly in the first two decades of the 21st Century. This has resulted in an increase in potential legal and administrative exposure to the practitioner. This presentation will outline the increase in potential claims and discuss measures to limit the practitioners' exposure.

### **Objectives:**

- Be cognizant of the relative frequency of the types of professional negligence claims in the clinical prosthodontic practice
- Be cognizant of the relative severity of the types of professional negligence claims in the clinical; prosthodontic practice.
- Be able to develop methodology to reduce exposure to professional negligence claims in their clinical prosthodontic practice
- Be cognizant of the potential future types of exposure that will be present in the clinical prosthodontic practice.

### **Curriculum Vitae:**

Dr. Ragan is a dentist and trial attorney who specializes in representing dental practitioners in civil litigation and regulatory matters. Dr. Ragan received a DMD from University of Pennsylvania School of Dental Medicine, a JD from Georgetown University Law Center, and a LLM in Health Law from Loyola Law Center. Dr. Ragan is an Adjunct Professor in the Nova Southeastern School of Dentistry Department of Oral and Maxillofacial Surgery.



## DR. ED MCLAREN

*CERAMIC WARS:*

*The Return of the Ceramist*

*Creating the Illusion of a Tooth in 3D*

Saturday, February 22, 2014 | 11:15 a.m.

### **Synopsis:**

The role of the ceramist in the delivery of highly esthetic ceramic restorations has been significantly and forever altered by the increased development and evolution of digitally created restorations. There is a clash or “war” in philosophies as to how human artistic expression can co-exist with the digital “machine world” as Ceramists struggle with how to adapt to the changing conditions, and themselves evolve their skills and services to survive and thrive in this new reality. Machines can do an adequate esthetic result for posterior teeth but to date cannot duplicate the varied layers of translucencies and colors that are necessary for acceptable esthetics in anterior teeth.

The 2 most important areas for the foreseeable future where Ceramists can apply and excel in using their creative talents is in creating single anterior teeth, and the “Minimalistic ceramic layering” of anterior teeth (which machines can’t do).

This presentation will cover (1) how to interpret shade information into a ceramic build-up, (2) ceramic layering techniques for creating the illusion of anterior teeth and (3) minimalistic veneering of anterior natural teeth (called the “Mini”).

### **Objectives:**

- Be able to understand and apply visual and computer analysis to effectively take shade information
- Understand the interaction of Chroma and Value on human perception of shade and how to control for it
- Learn improved photographic techniques for shade analysis
- Understand where color and translucency really exist in a tooth and how to replicate it in dental ceramics
- Understand some clinical realities working with so called minimal or no-prep veneers

### **Curriculum Vitae:**

Dr. McLaren is a Prosthodontist, Professor and director of Post Graduate Esthetic Dentistry at the UCLA school of Dentistry. He is the director of the UCLA Center for Esthetic Dentistry, a full time didactic and clinical program for graduate dentists. He is also the founder and director of the UCLA Master Dental Ceramist program. The residency program is a full time master ceramist program for dental technicians featuring extensive experience with the newest esthetic restorative systems. .

Dr. McLaren maintains a private practice limited to prosthodontics and esthetic dentistry in which he does all of his own ceramics.

Dr. McLaren is actively involved in many areas of prosthodontic and materials research and has authored over 80 articles. He is performing ongoing clinical research on various restorative systems. He has presented numerous lectures, hands-on clinics and postgraduate courses on ceramics and esthetics across the nation and internationally. He recently published a book, on his ceramic techniques and features dental photographic art, entitled “The Art of Passion: Ceramics, Teeth, Faces, and Places.”





## MR. NONDAS VLACHOPOULOS

*Full Ceramic Aesthetic Restorations*

Saturday, February 22, 2014 | 11:30 a.m.

### **Synopsis:**

Today's aesthetic dentistry invests in a broad range of knowledge coming from many sciences and arts.

The great contribution of modern technology in the field of materials and machinery, combined with today's most advanced manufacturing techniques is the key to satisfy the aesthetic and functional demands of patients.

The need for optimum results in the areas of aesthetics, function and biocompatibility necessitates more and more the use of all-ceramic restorations, implants, and their combination.

However knowledge, talent, technique, artistic ability and perception of the dental technician remain the biggest and perhaps the most important factor to create impeccable work. The dental technician must have the ability to assess every single time all the factors, in order to select a suitable patient therapy, and also to modify his technique wherever it is necessary for the design and execution, so that the best result can be obtained.

In this presentation he will describe step by step the daily laboratory process, and the way that art and technology in combination with artistic ability, manage to fulfill with great success excellent accuracy for the requirements of each individual case. Methods and handling for analysis and design will be described in order to understand and be able to select the proper solution for the optimal result.

### **Objectives**

- A full protocol description, starting with the initial design of a dental prosthesis up to its completion. Explaining and description of each step of this protocol individually.
- Color map analysis – description of internal stratification techniques with special step by step photo shooting.
- Selection criteria of the appropriate full-ceramic system, depending on the case demands – customization depending on the special characteristics of a case.

### **Curriculum Vitae:**

Mr. Nondas Vlachopoulos was born in Toronto, Canada. After moving to Greece, he graduated from the school of dental technology in 1985. He then acquired a BSc Hons from the School of Dental Technology of the Technological Educational Institution of Athens (1989). In 1990 he established his own dental laboratory "AestheticLab" in Athens. He has been the opinion leader in Greece for Noritake-Japan since 2001, while "AestheticLab" has been the company's pilot lab and also for the MPFBrush Co since 1999. Mr. Vlachopoulos specializes in aesthetic all-ceramic and implant restorations and collaborates with the Dental School of the National and Kapodistrian University of Athens and its postgraduate programs of Dental Prosthodontics and Dental Surgery.

Mr. Vlachopoulos has organized many seminars in Greece, USA, Israel, South America and many countries within the European Union. He has participated with presentations in congresses, and he has also published articles in Greek and foreign Dental Technology journals. Furthermore, Mr. Vlachopoulos is a member of the Hellenic Dental Technology Praxis and Pan-Hellenic Federation of Dental Laboratories.



## DR. KEN ANUSAVICE

*Enhancing the Survival of Ceramic Restorations*

Saturday, February 22, 2014 | 1:45 p.m.

### Synopsis:

The survival of ceramic-based restorations is controlled by biological, engineering, and esthetic principles in addition to lessons learned from clinical evidence and observations. This presentation will focus on the evidence-based engineering principles for design that lead to the enhanced survival of monolithic ceramic, ceramic-ceramic, and metal-ceramic prostheses and restorations. For glass-ceramic, alumina, zirconia, and cast-metal core frameworks, the compatibility and design of the veneering ceramic control the success and failure of the veneered prostheses. The support of these prostheses by implant abutments adds another degree of complexity that challenges the survival of ceramic prostheses. It is well known that the so-called "chipping fracture" of veneering ceramics results from one or more factors including prosthesis design, residual tensile stress, processing damage, load location, and load orientation. The failure of these "chipped" prostheses depends on whether or not function and/or esthetics have been adversely affected and whether or not the veneer ceramic can be recontoured or repaired successfully. Predictions of survival rates over time can be made based on fatigue data on these ceramics and specialized survival software developed by NASA. In addition, observations of the nature of clinical fractures can complement these predictions to allow the risk of structural failure to be reduced. Unfortunately, the evidence for the precise nature of clinical fractures is lacking, although limited evidence is available from some clinical trials to guide us toward a reduced risk of fracture and enhanced survivability. The results of several clinical trials of tooth-supported and implant-supported ceramic prostheses will be highlighted to emphasize the design and loading aspects of prosthesis construction that reduce the risk for structural failure and extend the survival of monolithic ceramic, veneered ceramic, and ceramic-veneered metal prostheses and restorations.

### Objectives:

- What are the two main mechanisms for the "chipping fracture" of metal-ceramic and ceramic-ceramic crowns and fixed dental prostheses?
- List three methods to prevent or reduce the risk of "chipping fracture".
- Identify the benefits and risks of posterior monolithic zirconia prostheses.
- Describe how NASA CARES software is used to predict survival probabilities of tooth-supported and implant-supported ceramic-based dental prostheses.
- How does the veneer/core thickness ratio affect the fracture probability of bilayer ceramic prostheses?
- Explain how bruxing forces increase the risk for ceramic prosthesis fracture.

### Curriculum Vitae:

Dr Kenneth J. Anusavice is Distinguished Professor Emeritus in the Department of Restorative Dental Sciences, University of Florida where he has taught since 1983. He earned the PhD in Materials Science and Engineering, University of Florida in 1970 and graduated DMD from the Medical College of Georgia in 1977. He was chair of the Department of Dental Biomaterials in Gainesville for 26 years and also Associate Dean for Research for 13 years. He has had a distinguished career as a researcher, principally investigating the performance of dental biomaterials and has received over \$15 million in research support from NIH and published over 160 peer-reviewed articles. He has authored the three editions of the textbook, Phillips' Science of Dental Materials, now in its 12th edition, which is recognized internationally as the standard textbook in Dental Materials.

Dr. Anusavice has received many accolades during his career, including the Founders' Award from Academy of Dental Materials and the Distinguished Lecturer Award from the American College of Prosthodontics. He was President of the American Association for Dental Research in 2003.



## **DR. DENNIS FASBINDER**

*Restorations Done Digitally*

**Saturday, February 22, 2014 | 2:30 p.m.**

### **Synopsis:**

Digital technology for restorative dental applications is growing at a rapid rate with the proliferation of new restorative materials and technique options. The program will focus attention on clinical application of computerized dental systems with a discussion of the material options for natural teeth and implants. Current evidence of clinical success and limitations will be presented to provide a rationale for patient treatment.

### **Objectives:**

- Understand the digital impression systems currently in the marketplace and their advantages, limitations, and clinical application
- Understand chair-side CAD/CAM systems for in-office implementation, their advantages, limitations, and clinical applications
- Understand the ceramic materials available for use with digital techniques

### **Curriculum Vitae:**

Dr. Fasbinder is currently the Director, Computerized Dentistry Program and a Clinical Professor at the University of Michigan, School of Dentistry. He is founder of and directs the Computerized Dentistry Unit at the University of Michigan School of Dentistry that is dedicated to research and education on CAD/CAM dental systems since 1993. His research interests have been in the area of applied laboratory and clinical evaluation for CAD/CAM dental technology. He also maintains a part-time private practice in Ann Arbor, Michigan.



## **DR. SASCHA JOVANOVIC**

*Hard and Soft Tissue Augmentation*

**Saturday, February 22, 2014 | 3:15 p.m.**

### **Synopsis:**

This presentation will provide the current knowledge and criteria in soft and hard tissue management and how to achieve stable and long-lasting soft tissue margins around implant restorations.

Soft and hard tissue management, preservation and grafting, especially where it relates to the rehabilitation of partially edentulous patients with thin biotypes and high aesthetic demands will be presented from an evidence-based perspective and in a clinical step-by-step fashion.

The position, spacing and choice of implant materials with preservation of mucogingival tissues will be discussed and the techniques to reconstruct the deficient implant site like soft tissue grafts, membrane technology, growth factors are presented with their indications and limitations.

### **Objectives:**

- To understand the criteria for optimal esthetic implant placement.
- To be able to identify the proper tissue management and grafting protocol.
- To design the ideal surgical guide and material, shape, and timing of abutment and prosthesis.

### **Curriculum Vitae:**

Dr. Jovanovic was trained in Periodontics at UCLA School of Dentistry, Implant Dentistry at Loma Linda University and Prosthodontics at University of Aachen, Germany and holds a Master of Sciences degree in Oral Biology from UCLA. He graduated dental school from the University of Amsterdam.

He resides in Los Angeles conducting research and practicing dental implant therapy and bone & soft tissue reconstruction, is Lecturer and Course Director in Implant Dentistry at UCLA Continuing Dental Education, is Academic Chair and Founder of [www.gidedental.com](http://www.gidedental.com) and is Editor-in-Chief of Implant Tribune.



## **DR. KENT KNOERNSCHILD**

*Occlusal Loading and Prosthetic  
Complications: Incidence, Rationale and  
Resolution*

### **RESERVE SPEAKER**

#### **Synopsis:**

The incidence of complications following prosthesis insertion may be related to a number of factors relative to comprehensive diagnosis, prosthetic design, implant number and distribution, occlusal loading conditions, and material properties. Each of these must be considered individually and collectively for patients receiving complete arch, partial arch or single-unit implant prostheses. This presentation highlights key considerations regarding these factors to improve patient fixed prosthodontic treatment predictability.

#### **Objectives:**

- Describe the incidence of prosthetic complications with implant patients
- Describe reasons for complications based on treatment planning guidelines
- Describe methods to avoid or resolve prosthetic complications

#### **Curriculum Vitae:**

Kent L. Knoernschild, D.M.D., M.S., F.A.C.P. is Professor, Program Director for the Advanced Specialty Education Program in Prosthodontics and CoDirector of the Implant and Innovations Center at the University of Illinois at Chicago. He is a Director for the American Board of Prosthodontics and holds a private practice limited to Prosthodontics. He has served as Chair of the ADA Commission on Dental Accreditation, President for the American Academy of Fixed Prosthodontics and President for the IADR/AADR Prosthodontics Research Group. Dr. Knoernschild has lectured internationally on comprehensive therapy for patients based on best evidence. He has given over 100 invited presentations nationally and internationally, authored over 50 publications, and received more than 25 research grants supporting clinical and laboratory research.

*Please join in the excellence of Fixed Prosthodontics at the  
2015 Annual Scientific Session of the  
American Academy of Fixed Prosthodontics*  
PRESIDENT DR. JACK LIPKIN  
PROGRAM CHAIRS DR. JANE BREWER & DR. JENNIFER KURACINA  
TENTATIVE DATE: FEBRUARY 27 AND 28, 2015

**“Revolutionary Technologies and Fundamental Concepts”**

David Isen

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

Gary Klasser

*A Trilogy: Prosthodontics, Temporomandibular Disorders and Occlusion*

Johan Wolfaardt

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

Harald Heymann

*Abfractions: Myth or Reality?*

Brody Hildebrand

*Interdisciplinary Treatment of Adolescents with Congenitally Missing Teeth*

Petra Guess

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

Steve Morgano

*Restoration of Pulpless Teeth - Do Traditional Principles Still Apply?*

Christopher Marchack

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

Frank Lauciello

*Avoiding Technical Complications with the Hybrid Prosthesis*

Markus Blatz

*Latest Advancements in CAD-CAM Ceramics*

Mike Girard, RDT

*Winds of Change (changing face of the dental lab industry)*

Marshall Peikoff

*Maintaining the Endodontically Compromised Tooth*

David Gratton

*Advances in Intra-oral Digital Impressions*

Sonia Leziy

*Developing the Implant Tissue Envelope:  
A Critical Look at Esthetics and Long-term Stability*

J. Robert Kelly | Reserve Speaker  
*Ceramics in Implant Dentistry*

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