THE AMERICAN ACADEMY OF FIXED PROSTHODONTICS

THE ART AND SCIENCE OF PATIENT REHABILITATION

63RD ANNUAL SCIENTIFIC SESSION
Friday, February 21, 2014
Saturday, February 22, 2014

CHICAGO MARRIOTT DOWNTOWN
7TH FLOOR BALLROOMS I, II, III
The American Academy of Fixed Prosthodontics provides programs for its members that support its mission to foster excellence in the field of fixed prosthodontics, including promoting excellence in patient care and enhancing the professional lives of its members.

Continuing education programs are planned, developed, and managed by the AAFP Program Chair in consultation with the Continuing Dental Education Compliance Committee; the programs are in accordance with the Academy’s mission and goals and the content includes the results of responses obtained from the written comments provided by course participants on the evaluation form.

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

* Deceased
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 Rungruananunt, 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.

Julie A. Holloway, President
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DIRECTOR 2014

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Seattle, WA 98195-7456
Phone: 206-543-5923 | Email: araigrod@uw.edu

WEBMASTER

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

JPD EDITORIAL LIAISON
Kevin Plummer 2015

PROGRAM COMMITTEE
Nancy Chaffee 2014, Program Chair
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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Ron Woody 2014
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
### POSTER PROGRAM COMMITTEE
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- Patchnee Rungruanganunt 2014
- Mijin Choi 2015

### TYLMAN RESEARCH COMMITTEE
- Fei Liu 2018, Chair
- Craig Nietzke 2014
- Lillian Mitchell 2014
- Hai Zhang 2015
- Marianella Sierraalta 2019
- Peter Barndt 2019

### NOMINATING COMMITTEE
- Carl Driscoll 2016, Chair
- J. Robert Kelly 2015
- Stephen Rosenstiel 2014
- Jack Lipkin, President-Elect, 2015
- Steve Morgano, 2015

### ARCHIVAL COMMITTEE
- 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
- James Dunne 2016, Chair
- David Gratton 2014
- Jack Lipkin, President-Elect, Ex Officio
- Steve Morgano, Ex Officio
- Rick Jordan, Treasurer, Ex Officio

### CONTINUING DENTAL ED. COMPLIANCE COMMITTEE
- Charles Goodacre 2015, Chair
- Ariel Raigrodski 2014
- Nancy Chaffee 2016
- Stephen Rosenstiel, Ex Officio
PUBLICITY AND COMMUNICATIONS COMMITTEE
Sarita Arteaga 2014, Chair & Newsletter Editor
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
Darshanjiet 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
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
1987: Izchak Bartzilay  2008: Keith L. Guzaitis
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
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 Moultin Award Recipients

<table>
<thead>
<tr>
<th>Year</th>
<th>Name</th>
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<tbody>
<tr>
<td>1992</td>
<td>George H. Moulton</td>
</tr>
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<td>1993</td>
<td>Ernest B. Nuttall</td>
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<tr>
<td></td>
<td>Max Kornfeld</td>
</tr>
<tr>
<td>1994</td>
<td>Robert J. Nelson</td>
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<td>1995</td>
<td>Everitt V. Payne</td>
</tr>
<tr>
<td>1996</td>
<td>Samuel E. Guyer</td>
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<tr>
<td>1997</td>
<td>Roland W. Dykema</td>
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<td>1998</td>
<td>Herbert T. Shillingburg, Jr.</td>
</tr>
<tr>
<td>1999</td>
<td>Lloyd L. Miller</td>
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<td>2000</td>
<td></td>
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<tr>
<td>2001</td>
<td>Ralph Yuodelis</td>
</tr>
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<td>2002</td>
<td>Robert S. Staffanou</td>
</tr>
<tr>
<td>2003</td>
<td>Maurice H. Martel</td>
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<tr>
<td>2004</td>
<td>Ronald D. Woody</td>
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</table>

### Previous Baker Award Recipients

<table>
<thead>
<tr>
<th>Year</th>
<th>Name</th>
</tr>
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<tbody>
<tr>
<td>2003</td>
<td>Alvin Wee</td>
</tr>
<tr>
<td>2004</td>
<td>Ariel Raigrodski</td>
</tr>
<tr>
<td>2005</td>
<td>Nyung G. Chang</td>
</tr>
<tr>
<td>2006</td>
<td>Patchnee Rungruanganunt</td>
</tr>
<tr>
<td>2007</td>
<td>Shigemi Ishikawa-Nagai</td>
</tr>
<tr>
<td>2009</td>
<td>Nadim Baba</td>
</tr>
<tr>
<td>2010</td>
<td>Mijin Choi</td>
</tr>
<tr>
<td>2011</td>
<td>Lillian M. Mitchell</td>
</tr>
<tr>
<td>2012</td>
<td>Judy C-C Yuan</td>
</tr>
<tr>
<td>2013</td>
<td>Not Awarded</td>
</tr>
</tbody>
</table>

### Previous Garver-Staffanou Prosthodontic Residency Educator Award Recipients

<table>
<thead>
<tr>
<th>Year</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>Gerald Ziebert</td>
</tr>
<tr>
<td>2011</td>
<td>Carl Jerry Andres</td>
</tr>
<tr>
<td>2012</td>
<td>John R. Agar</td>
</tr>
<tr>
<td>2013</td>
<td>William Nagy</td>
</tr>
</tbody>
</table>

### Honorary Members

<table>
<thead>
<tr>
<th>Year</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1956</td>
<td>Oscar P. Snyder</td>
</tr>
<tr>
<td>1958</td>
<td>Arthur O. Klaffenbach</td>
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<td>1958</td>
<td>Ralph W. Malone</td>
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<tr>
<td>1959</td>
<td>George M. Hollenback</td>
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<tr>
<td>1961</td>
<td>Floyd A. Peyton</td>
</tr>
<tr>
<td>1976</td>
<td>Ralph Phillips</td>
</tr>
<tr>
<td>1976</td>
<td>Robert J. Nelsen</td>
</tr>
<tr>
<td>2012</td>
<td>Charles Gibbs</td>
</tr>
</tbody>
</table>
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
<table>
<thead>
<tr>
<th>Company</th>
<th>Booth</th>
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<tbody>
<tr>
<td>1. Biomet 3i Bronze Sponsor*</td>
<td>134-135</td>
</tr>
<tr>
<td>2. Brasseler USA</td>
<td>104</td>
</tr>
<tr>
<td>3. Cusp Dental Research, Inc.</td>
<td>102</td>
</tr>
<tr>
<td>4. Dentsply Implants, Platinum Sponsor*</td>
<td>120-121</td>
</tr>
<tr>
<td>5. Designs For Vision, Inc.</td>
<td>127</td>
</tr>
<tr>
<td>6. Dux Dental</td>
<td>125</td>
</tr>
<tr>
<td>7. Elsevier</td>
<td>105</td>
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<tr>
<td>8. GC America Inc.</td>
<td>100</td>
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<tr>
<td>9. Ivoclar Vivadent, Silver Sponsor*</td>
<td>128-129</td>
</tr>
<tr>
<td>10. Kuraray America, Inc.</td>
<td>103</td>
</tr>
<tr>
<td>11. MoraVision 3D</td>
<td>136</td>
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<td>12. Nobel Biocare, Platinum Sponsor*</td>
<td>130-131</td>
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<tr>
<td>13. Panadent</td>
<td>101</td>
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<td>14. Quintessence Publishing Co., Inc.</td>
<td>122-123</td>
</tr>
<tr>
<td>15. SAM Präzisionstechnik GmbH</td>
<td>133</td>
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<td>16. Sirona Dental, Inc</td>
<td>126</td>
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<td>17. Ultradent Products, Inc.</td>
<td>137</td>
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<tr>
<td>18. Valley Dental Arts, Inc.</td>
<td>124</td>
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<td>19. Whip Mix Corporation</td>
<td>118-119</td>
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<tr>
<td>20. Yodle</td>
<td>132</td>
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<tr>
<td>21. Thommen Medical</td>
<td>106</td>
</tr>
<tr>
<td>22. DDS Refining</td>
<td>107</td>
</tr>
<tr>
<td>23. BioHorizons</td>
<td>117</td>
</tr>
</tbody>
</table>

* Sponsors
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 Binayes
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
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
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 Sierraalta  
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
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
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
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
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 Wongamhaeng
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
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 Fricton
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 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
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 biomechanic 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.
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 desire 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.
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

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.
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.
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.
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 Fricton 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. Fricton 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.
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-Facecsanmer, 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.
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.
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.
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.”
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 counties 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.
Enhancing the Survival of Ceramic Restorations

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.
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.
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 Aachen. 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.gieder.com and is Editor-in-Chief of Implant Tribune.
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

J. Robert Kelly | Reserve Speaker
Ceramics in Implant Dentistry