



THE COLOR OF ESTHETICS

1ST ANNUAL MEETING OF THE SOCIETY FOR COLOR AND APPEARANCE IN DENTISTRY

THE PURSUIT OF EXCELLENCE: A NEW STAR IS BORN

The Society for Color and Appearance in Dentistry (SCAD, www.scadent.org) was founded in 2008 as a consortium of dental professionals and other experts interested in investigation and application of color and appearance in esthetic dentistry. The most important goals of the SCAD are: to serve as a unifying force in the profession by promoting and fostering greater awareness for color and appearance in dentistry; to advance multidisciplinary collaboration and discovery; and to create and implement educational and training programs on color and appearance for dental professionals and students. Members of the SCAD Executive Committee are Rade D. Paravina (President), Stephen J. Chu (Vice-President), John M. Powers (Treasurer), William D. Browning (Secretary), and William M. Johnston, Edward J. Swift and Holger A. Jakstat (Board Members-at-Large). Regional Councilors are Alvaro Della Bona (Latin America), Alessandro Devigus (Europe), Yumiko Hosoya (Asia - Pacific), Gerard Kugel (North America), and Esam Tashkandi (Africa & Middle East).

The 1st Annual Meeting of the SCAD, entitled, "The Color of Esthetics," was held in Houston, Texas on July 17-18, 2009. As the color of esthetics in dentistry is the harmony between art and science manifested clinically, for many, SCAD is a dream come true—bringing clinical relevance to researchers and scientific relevance to clinicians. Accordingly, the goal of the meeting was to link clinicians, researchers, industry, and dental educators interested in color and appearance in esthetic dentistry. Indeed, more than 150 participants among all these professions from 19 countries gathered for the first SCAD meeting.

We gratefully acknowledge the role of the general sponsors, [Vita Zahnfabrik](http://www.vitazahnfabrik.com) and [Vident](http://www.vident.com), for the success of the meeting. The support from the following corporate sponsors was also greatly appreciated: 3M ESPE, Colgate-Palmolive, Heraeus, Kuraray, Noritake, Olympus, Procter and Gamble, Septodont, Tokuyama, Ultradent, and Unilever. A successful dental exhibition during the meeting was one of the aspects of the collaboration between the sponsors and SCAD.



Flags of the countries of SCAD '09 attendees

The welcoming reception was held on Thursday, July 16 at the meeting hotel. The social program throughout the meeting was a good opportunity to see old friends, to meet new ones, to exchange ideas and experiences and to discuss possible collaborations.



Welcoming reception: President and Vice-President of the SCAD, Drs. Rade D. Paravina (right) and Stephen J. Chu (left), with Dr. Ronald E. Goldstein, considered by many "the father of esthetic dentistry" (middle)

The meeting officially began with the opening ceremony on the morning of Friday, July 17. Dr. Peter Davies, Executive Vice President for Research, University of Texas Health Science Center at Houston; Dr. Karen A. Storthz, Associate Dean for Research, University of Texas Dental Branch at Houston; Dr. Dan Nathanson, President, International Federation of Esthetic Dentistry (IFED), and Dr. Rade D. Paravina, President, SCAD, extended the institutional and personal greetings to the attendees, wishing them a successful meeting.

Dr. Robert C. Sproull was the first recipient of the E. Bruce Clark Award, the highest recognition of the Society for Color and Appearance in Dentistry, presented by Dr. Stephen F. Bergen. Dr. Sproull, probably the most significant person for actualizing the color topic in modern dentistry, received a standing ovation for his charming keynote address on the olden days and history of color research in dentistry.

The meeting featured high-quality, evidence-based information on color-related issues presented by many of the leaders in this field. The first two lecturers on Friday morning were world renowned color scientists: Francisco H. Imai talked about spectral-based imaging and its potential for biomedical applications, while Stephen Westland presented measurement of tooth color using digital imaging. The subsequent two presentations were related to various aspects of esthetic dentistry: Ronald E. Goldstein gave a memorable presentation on visualization for successful esthetic predictability, and Stephen F. Rosenstiel elaborated the

quantification of dental esthetics. Friday afternoon was reserved for tooth whitening and resin composites. Edward J. Swift gave an overview of tooth whitening; Robert W. Gerlach presented direct-to-consumer whitening, emphasizing clinical trials and evidence development; and William D. Browning talked about power bleaching. The session on resin composites, with two impressive artists and presenters, was the grand finale of the oral presentations on day one: Marcos Vargas lectured on resin composite shade selection and cavity preparation for maximum esthetics, while Newton Fahl presented selecting the right composite for the anterior segment.



Opening ceremony: Dr. Dan Nathanson, President, International Federation of Esthetic Dentistry (IFED)



Dr. Robert C. Sproull, keynote speaker, with Dr. Stephen F. Bergen presenting him with the E. B. Clark Award

The poster session was held immediately after the oral presentations with a total of 23 posters presented. The co-recipients of the Robert C. Sproull award for the best poster presentation, presented by John M. Powers, SCAD treasurer and president of the poster award committee, were Frederick Rueggeberg and Alma Dozic.

Friday night was reserved for the Texan theme dinner, at meeting hotel. It was a lot of fun and the pictures below say it better than words.

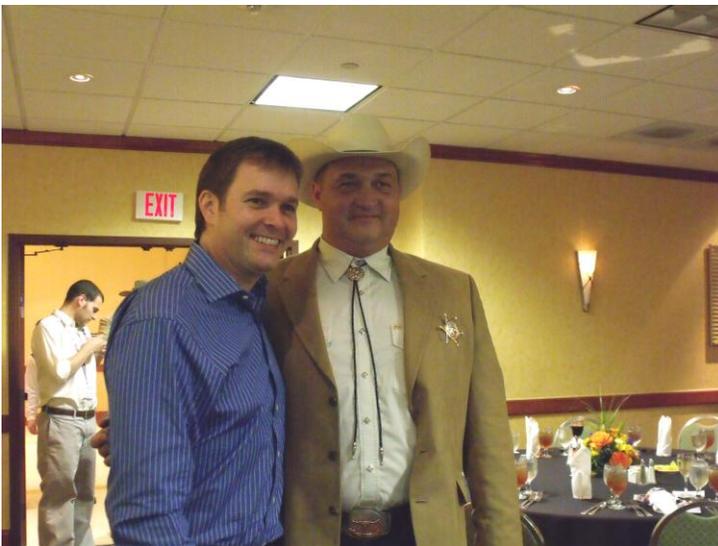
Texan Theme Dinner



Drs. Frederick A. Rueggeberg, Edward J. Swift, William D. Browning and Carlos A. Munoz (from left to right)



Mr. Wolf Meerwinck (left) and Dr. Wolfgang Hannak (right)



Drs. Newton Fahl (left) and Rade D. Paravina (right)



Dr. J. Robert Kelly

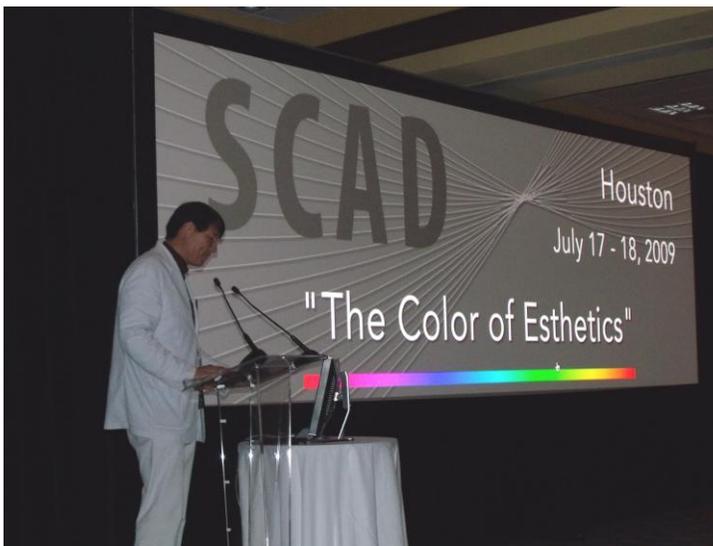
The second day of the meeting started with oral presentations and ended up with the President's Dinner in the Aquarium Restaurant at picturesque Kemah Boardwalk. William M. Johnston opened the day with a talk on measurement of color in dentistry, followed by Sudarat Kiat-amnuay, who presented on color stability of silicone maxillofacial elastomer. Rade D. Paravina introduced "Dental Color Matcher," a software that he authored and that will enable online color education and training. Thanks to the support of Vita Zahnfabrik, the program is free for dental professionals and students throughout the world, while the SCAD has provided sponsorship and Web hosting. "Dental Color Matcher" will be available at <http://www.scadent.org/dcm> starting Oct 15, 2009.

The subsequent four lectures were related to dental ceramics. Stephen J. Chu presented a comparative analysis of shade matching protocols and remake rate; Pascal Zyman demonstrated playing with light and shadow in shade selection; Adam Mieszko talked about canvas equalization; while Aki Yoshida elaborated material selection and opacity control for all-ceramic restorations.



“Dental Color Matcher”, free online color education and training program for esthetic dentistry, authored by Dr. Rade D. Paravina, was introduced at the SCAD ‘09

In the afternoon, Holger A. Jakstat, Helene Haddad and Wolfgang Hannak gave lectures followed by hands-on color training program. The “Toothguide Trainer” is a computer program, while the “Toothguide Training Box” is an electromechanical device, which allows training with realistic shade tabs. “Toothguide Check Box” is a training program that uses prefabricated ceramic teeth in oral surrounding. The last oral presentation at the SCAD meeting was a multimedia masterpiece by Claude Sieber entitled, “art & experience” – the phenomenon of light”.



Dr. Stephen J. Chu, speaking about shade matching protocols and remake rate



“Toothguide Trainer” and “Toothguide Training Box” by Dr. Holger A. Jakstat

In addition to the great lineup of presenters, SCAD ‘09 was unique because of the outstanding expertise concentrated in the audience that included Damon Adams, Stephen Bayne, Wolfgang Bengel, Stephen Bergen, Michael Bergler, Jane Brewer, John Calamia, Yi-Yuan Chang, Alvaro Della Bona, James Dunn, Hiroshi Hiriyama, Yumiko Hosoya, Shigemi Ishikawa-Nagai, Andrew Joiner, J. Robert Kelly, Brian LeSage, Yiming Li, Michel Magne, Bruce Matis, Arturo Mendez, Carlos Munoz, John Powers, Gary Radz, Stephen Snow, Christian Stappert, Esam Tashkandi, Douglas Terry, Van Thompson, Richard Trushkowsky, Alessandro Vichi, Bob Williams, Wayne Wozniak, ... and many others. Instead of describing our own impressions on the SCAD meeting, here are testimonials from some of the attendees (more at www.scadent.org/testimonials):

- *Dr. Robert C. Sproull:* This weekend was the experience of a lifetime and I am grateful to you for making it possible. It is something that will never be forgotten!
- *Dr. Ronald E. Goldstein:* The first meeting of the Society for Color and Appearance in Dentistry brought together like minds from clinical, research, and creative future thinking that I am certain will help accelerate new technology and research developments with the public being the beneficiaries.
- *Dr. Dan Nathanson:* Attending the first meeting of the Society for Color and Appearance in Dentistry was indeed a positive and gratifying experience.
- *Dr. Newton Fahl:* I truly believe this society can help further the knowledge of color and appearance in the dental profession so comprehensively like no other organization has done before.
- *Dr. James R. Dunn:* The SCAD is a group whose time has come to explore the science, the technology and application of color and appearance in Dentistry.
- *Dr. Carlos Munoz:* I am sure the SCAD will play a very important mission in assuring that the understanding of color science is translated to all dentists. Congratulations to all organizers for their vision.
- *Dr. J. Robert Kelly:* There is simply no other venue bringing together today's leaders in color science and appearance.
- *Dr. Wolfgang Bengel:* I am sure that the SCAD will be an essential part in the puzzle of scientific dental societies in the future.
- *Dr. Frederick A. Rueggeberg:* What an AMAZING meeting this was. Such an assemblage of diverse, international expertise on the topic of color as it relates to dentistry.
- *Dr. Stephen R. Snow:* SCAD is the first organization I have experienced that has assembled a "think tank" of scientists, researchers, clinicians, and educators to share in the common goal of resolving color-related issues.
- *Dr. Wayne T. Wozniak:* For those of us with an interest in color science and esthetics this group is something we have been hoping for.
- *From meeting evaluation forms:* Thank you so much for your time and energy and willingness to share knowledge Outstanding program, congratulations Good organization, wonderful atmosphere Extremely good choice of presenters What a refreshing, educational, fun & informative meeting



Dr. Frederick A. Rueggeberg (left), co-recipient of Robert C. Sproull award for the best poster, and Dr. John M. Powers (right)



Dr. Alma Dozic (right), co-recipient of Robert C. Sproull award for the best poster, her coauthor Dr. Ghazal Khashayar (left), and Dr. John M. Powers (middle)



Mr. Claude Sieber:
art & experience® – the phenomenon of light



Mr. Manfred Cordes, Director of marketing, Vita
Zahnfabrik: closing remarks by the general sponsor

The first issue of Journal of Color and Appearance in Dentistry (JCAD), published electronically by Elsevier as the permanent single annual supplement to Journal of Dentistry, was distributed to the attendees of the SCAD meeting. Well-established readership and respectable impact factor of the parent journal of 2.033 (ranked 12 out of only 51 dental journals with impact factor) are both significant start-up benefits and a quest for excellence. A 2010 issue JCAD is now open for submissions of review papers, evidence-based, breakthrough clinical and research contributions related to color, other attributes of appearance, and other aspects of esthetic dentistry (submission site: <http://ees.elsevier.com/ijod>).

Recently, SCAD has become a member body of the International Federation of Esthetic Dentistry (IFED). This was officially voted on at the 6th IFED World Congress in Las Vegas, August 2-5, 2009. IFED is a global organization of over 30 regional academies contributing to the progress and development of esthetic oral health and enhancing communication between member organizations worldwide. Although US based, SCAD is proud to become the first IFED member not representing any particular country, region or continent.

What does the future hold? The next meeting of the SCAD entitled, “*Bridging the Gap, Pioneering the Future*,” will be held in Newport Beach, California, on September 24-25, 2010. SCAD is dedicated to put together the best open-access meeting on esthetic dentistry in the world for 2010! To start with, here is the list of already confirmed presenters: Irfan Ahmad, Nasser Barghi, Wolfgang Bengel, Michael Bergler, Markus Blatz, Stephen Chu, Alessandro Devigus, James Dunn, Mark Fairchild, Russell Giordano, Ronald Goldstein, Charles Goodacre, Jason Kim, So Ran Kwon, Michel Magne, Pascal Magne, Bruce Matis, Dan Nathanson, Joe Ontiveros, Rade Paravina, Ariel Raigrodski, and Norbert Thiel. Stay tuned – much more is coming from the SCAD!

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