

SAVE THESE DATES

*15th Instructional Course
December 1, 2010*

Charlotte

*38th Annual Meeting
December 2 - 4, 2010*



GREEN LIGHT TO EXPAND CONSERVATION EFFORTS



C - GREEN

Our green initiative, which developed from a 2009 AAOS corporate goal, has received many positive comments over the past year. Like many organizations, we are making a concerted effort to lessen our collective impact on the environment and are implementing a number of practices to reduce our carbon footprint. The E-Newsletter, which also eliminated the costs associated with printing and mailing, is just one example. To enhance our global responsibility, we have also transitioned to on-line meeting evaluations and are currently considering online options for the Instructional Course and Annual Meeting Preliminary Programs as well as other reduced-paper or paperless initiatives.

Email, along with the CSRS website, continues to be a major communication vehicle. As a result, it is especially important to maintain current contact information for all CSRS members. Please be certain to notify us when your email, business address or other contact information change so that you will continue to receive Society information in a timely fashion. Address changes can be made via the Members Only page of the CSRS website at https://ebus.csrs.org/default.aspx?tabid=168&appl_code=MEMBERS

CHANGES IN DISCLOSURE

NEW YEAR, NEW QUESTIONS

In an effort to promote 100% transparency and confidence in CSRS' educational programming, a 2009 ByLaws Amendment that requires all CSRS members to submit their financial disclosures was introduced and passed. In September, 2009, an online disclosure submission site was developed and member response was quite positive.

The disclosure questions have recently been modified to become more comprehensive in scope and, as a result, we must refine the submission site to incorporate these changes. In the months ahead, you will be contacted to submit your current information. We request your patience and cooperation as we work to make this site as user-friendly as possible.

WITH GRATITUDE

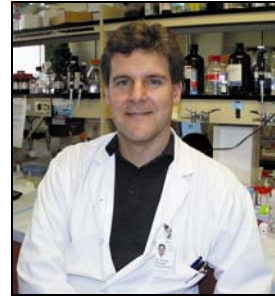


Congratulations to **Todd J. Albert, MD**, on his service as CSRS' 36th President. A member since 1995, **Dr. Albert** has been active on a number of Committees including the Clinical Outcomes, Development, Membership, Program and Research Committees. He also Chaired the Membership Committee for three years and served as 2007 Scientific Program Chair. Additionally, **Dr. Albert** served as CSRS' FOSA representative and also as FOSA President in 2007. Congratulations on your leadership, commitment and Presidential year!

Michael G. Fehlings's, MD, PhD elected to Presidential Line

In December, CSRS members voted favorably on the nomination of **Michael G. Fehlings, MD, PhD**, as CSRS Vice-President.

Dr. Fehlings will assume the office of President in December, 2011, following **Sanford E. Emery's** term.



CSRS-ES 26th ANNUAL MEETING

The 26th Annual Meeting of the European Section took place May 26-29th on the beautiful island of Corfu, Greece. Local Host, **Professor Demetre S. Korres** and European Section **President José Casamitjana** welcomed attendees to the ideal destination. The meeting was held at the Grecotel Corfu Imperial hotel. European Section information, including this year's Scientific Program, can be found [here](#).

SAVE THE DATE! Friday, September 24, 2010 One day Symposium – Barcelona, Spain



MEET CSRS PRESIDENT JOHN G. HELLER, MD

CSRS's 37th President, **John G. Heller, MD**, received his undergraduate education at Harvard University and his Medical Degree from John Hopkins University School of Medicine. He completed an Orthopaedic Residency at Case Western Reserve University School of Medicine and a Spine Fellowship under the direction of **Steven R. Garfin, MD**, at the University of California Medical Center. He is currently a Professor in the Department of Orthopaedic Surgery at Emory University in Atlanta, Georgia, and Spine Fellowship Director at The Emory Spine Center.

Disorders of the cervical spine have been **Dr. Heller's** primary clinical and research focus. His basic science investigations have been principally biomechanical studies regarding methods of reconstruction/internal fixation of the cervical spine. He continues to investigate surgical treatment methods for multi-level cervical spondylotic myelopathy. More recently, his focus is in the clinical investigation into the efficacy of artificial cervical disc replacement and other motion sparing treatment options.

Dr. Heller is active in a number of other medical organizations, the author of numerous publications and is one of the current editors of the Journal of Spine Disorders and Techniques as well as a Section Editor for the coming edition of The Cervical Spine.

Dr. Heller lives in Atlanta with his wife, Katherine, and daughters Laura Flynn (22) and Hannah (18).

PRESIDENT'S MESSAGE

CSRS Members:

*This has already proven to be a strong and memorable year for the CSRS and its sister Societies. The 2009 Annual Meeting extended the string of increasingly robust scientific programs with a competitive pool of high quality papers and posters submitted from around the world. We all owe our thanks to **Frank M. Phillips, MD**, and his Program Committee for their efforts. As usual, the Instructional Course was one of the highest quality and well attended, thanks to **Jeffrey C. Wang, MD**, and the faculty who devoted their time. Equally, local hosts Ronald I. Apfelbaum, MD, and **Darrel S. Brodke, MD**, merit praise for the thoughtful arrangements in Salt Lake City.*

And, of course, none of this would be possible without the tireless efforts of Peggy Wlezien, Carol Swift and Shari Centrone.

*This year has also proven to be historical. **Todd J. Albert, MD**, and I attended the inaugural meeting of the Asia-Pacific Cervical Spine Research Society as guests of President **Kuniyoshi Abumi, MD**. He and the rest of the AP CSRS Board deserve heartfelt congratulations on a successful initial effort. The meeting was well attended by clinicians from throughout the region. Current President, **Han Chang, MD**, will welcome cervical spine enthusiasts from around the globe to Pusan, Korea, for the second Annual Meeting in April, 2011.*

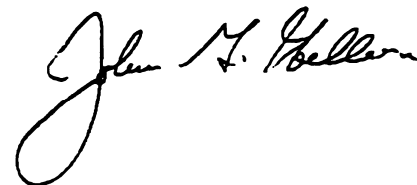
The European CSRS Section Meeting in Corfu, Greece, provided a stimulating scientific program in a lovely setting. President Jose Casamitjana and Local Host, Demetres Korres, did a marvelous job. For those who attended, the presentation inviting all to attend the 2011 meeting in Istanbul, Turkey, was irresistible. If you have not yet attended a meeting of one of our sister Societies, I urge you to consider your options for next year. Now that the CSRS is truly a global organization, we have unprecedented opportunities to learn from our colleagues, enjoy new cultures and extend our circle of friends.

I am pleased to report that the leadership of all three CSRS chapters voices their support for a future International Travelling Fellowship Program that would draw from the best candidates around the world. Though the details and funding have yet to be worked out, the initial intent would be for each chapter to select a worthy applicant to join with others from the sister Societies travelling together in a given region of the globe. The region of travel would alternate in turn among the Americas, Europe and Asia-Pacific. This international "All Star" team would be afforded the opportunity to visit leaders in the field in the hope of promoting global collaboration in their careers. Look for further information as this concept develops.

*I am excited about the upcoming Annual Meeting in Charlotte, North Carolina. Debbie and **Bruce V. Darden, II, MD**, have worked hard to provide an inviting and enjoyable setting for us. The Instructional Course curriculum looks to be as strong as ever. A record number of Abstracts have been submitted from around the world. We are all in for an excellent opportunity.*

In closing, I must also note the untimely loss of our Founding Member, Past President and dear friend, Henry H. Bohlman, MD. To say that he was a leader in our field greatly understates the impact of his life's work. Those he trained and inspired will carry the torch forward seeking better ways to diagnose and treat cervical spine disorders for the betterment of peoples' lives across the globe.

Respectfully yours,



ASIA PACIFIC SECTION
LAUNCHED



Congratulations to **Kuniyoshi Abumi, MD, of Sapporo, Japan**, on the formation of the CSRS Asia Pacific Section and the inaugural meeting held April 24-25th at the Kobe International Conference Center in Japan. The scientific program consisted of free papers, invited lectures, symposia and poster presentations. **Dr. Abumi** welcomed current US Section President, **John G. Heller, MD**, and past President **Todd J. Albert, MD**, to the meeting.

The CSRS US Section recognizes the unique value of each of our individual sister organizations, the CSRS European Section, founded in 1984 and, most recently, the CSRS Asia Pacific Section and looks forward to many years of scientific collaboration and collegiality.

21st CENTURY RESEARCH
& EDUCATION CAMPAIGN

2010 marks year 6 of the Premier Donor 21st Century Research & Education Fundraising program developed under the leadership of **Bradford L. Currier, MD**, the Development Committee and the Board of Directors. This was truly an ambitious campaign to raise the necessary funds to support an expanded research program and more robust educational activities. CSRS gratefully acknowledges our Premier Donors, **Aesculap, DePuy Spine, Medtronic, Stryker Spine** and **Synthes Spine** who have helped us move closer to achieving these goals.

In addition to fulfilling their annual pledge of \$150,000 each, these five Premier Donor Companies also provide support to our organization through attendance at our meetings. We ask those of you who plan to attend the 2010 Instructional Course and Annual Meeting to please remember to thank each of them for their participation and support when you visit the Exhibit Hall at the Westin in Charlotte,. Looking back, this unique partnership with our corporate colleagues has led to open and honest discussions and has proved to be a highly successful relationship with mutual benefits.



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SYNTHES
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The success of our corporate campaign has been matched by our generous Member donors who give directly to CSRS or indirectly through OREF's Annual Campaign. Please know that 100% of direct donations are deposited into the Research & Education Fund.

For some of you 2009 marked the final year of your five year commitment. At this time, we are encouraging you to renew your pledge or to continue donating at your current level. We are also seeking new pledges/donations so that our research and educational programs can have even more far-reaching success. Donors are listed annually on a banner at the annual meeting, in the final program book and on the CSRS website. An online Pledge/Donation Form is available https://ebus.csr.org/default.aspx?tabid=168&appl_code=MEMBERS and donations can easily be made through our newly configured website or mailed directly to the staff office.

Six years after the launch of our campaign, interest remains strong, we have increased the number of grants funded annually, increased the level of grant funding and increased the duration of grants. The annual meeting research award program has been expanded and we have funded several traveling fellows under a traveling fellowship program which is now being revamped. These remarkable achievements would not have been possible without the continued support of our committed members and industry partners. Thank you!

2009 RESEARCH & EDUCATION GRANTS

2009 21ST CENTURY RESEARCH & EDUCATION GRANTS

High-Resolution Diffusion Tensor Imaging (DTI) in Patients with Cervical Spondylotic Myelopathy

Principal Investigator: Alpesh A. Patel, MD

Eun-Kee Jeong, PhD

Amount: \$40,530; **Duration:** 2 years

In Vivo Mechanics of Pain Resolution following Conservative Treatment for Cervical Radiculopathy

Principal Investigator: William Anderst, MS

James D. Kang, MD; William F. Donaldson, III, MD; Joon Y. Lee, MD

Amount: \$62,304; **Duration:** 2nd of 2 years

In Vivo Quantification of Adjacent Level Cervical Disc Integrity following Anterior Cervical Decompression and Fusion and Laminoplasty: A Matched Pair Analysis and Comparison using T1rho-weighted MRI

Principal Investigator: Joshua D. Auerbach, MD

K. Daniel Riew, MD; Baron S. Lonner, MD

Amount: \$35,000; **Duration:** 2nd of 2 years

2009 SEED STARTER GRANTS

Validation of Cervical Spine Surgery Stimulation

Principal Investigator: Paul A. Anderson, MD

Thomas A. Zdeblick, MD

Amount: \$27,701; **Duration:** 1 year

2008 RESIDENT / FELLOW GRANTS

Functional Magnetic Resonance Imaging Evaluation of the Injured Human Spinal Cord: An Assessment of Recovery and Functional Plasticity

Principal Investigator: David W. Cadotte, MD

Michael G. Fehlings, MD, PhD

Amount: \$14,980; **Duration:** 1 year

Atlanto-Axial Kinematics: Is Motion Preservation at C1-C2 Possible in Cases of Congenital or Acquired Atlanto-Axial Instability?

Principal Investigator: Kyle Mitsunaga, MD

Robert Hart, MD

Amount: \$15,000; **Duration:** 1 year

Dizziness Associated with Cervical Spondylopathy: Prevalence and Outcome following Surgical Intervention

Principal Investigator: Jon T. Willie, MD, PhD

Neill M. Wright, MD; Timothy Huller, MD, Ian Dorward, MD

Amount: \$15,000; **Duration:** 1 year

CSRS gratefully acknowledges our 21st Century Research and Education Fund Premier Donors for their continued support of our research activities. They include: Aesculap, DePuy Spine,

IN MEMORIAM

IN MEMORIAM: HENRY H. BOHLMAN, MD - 1937 - 2010



With a note of sadness Cervical Spine Research Society wishes to share the news of the loss of one of its founding members, and former presidents, Henry H. Bohlman, MD. Dr. Bohlman passed away in his sleep on May 27, 2010. His life was in many ways defined by his devotion to advancement of spinal surgery. His initial interest in the field was inspired by his professor and mentor, Dr. Robert Robinson in the Department of Orthopaedic Surgery at the Johns Hopkins University School of Medicine. Throughout his career, Dr. Bohlman made lasting contributions to the field of spinal surgery, and especially the cervical spine, through his innovations and refinements in anterior surgical techniques. But most importantly, Dr. Bohlman can be remembered for the surgeons that he inspired and trained throughout the world as residents and fellows. Their subsequent contributions to the field have been immense, and were a great source of pride for Dr. Bohlman. His life's work will live on through the patients he served and those he trained to carry on a legacy of service, scholarship and innovation.

Alexander J. Ghanayem, MD, has been appointed the 2010 Annual Meeting Scientific Program Chair. The Program Committee has also been expanded this year, which proved timely as the number of Abstracts submitted this year increased nearly 25% over 2009. This year's Committee is comprised of **Darryl Antonacci, MD; Avi J. Bernstein, MD; Li-Yang Dai, MD; William F. Donaldson, MD; James C. Farmer, MD; Richard G. Fessler, MD; Ziya L. Gokaslan, MD; Robert A. Hart, MD; Alan S. Hilibrand, MD; Joon Yung Lee, MD; Gabriel Liu, MD; Alpesh A. Patel, MD; Frank M. Phillips, MD; Bernard A. Rawlins, MD; John M. Rhee, MD; Rick C. Sasso, MD; William C. Welch, MD** and **John G. Heller, MD** (ex-officio).

Jeffrey C. Wang, MD, continues as 2010 Instructional Course Program Chair and is working with his Committee that is comprised of **Randy F. Davis, MD; James S. Harrop, MD; and Rick C. Sasso, MD**, to develop a stimulating line up of presentations.

Thanks to all for your service on these important Committees.

The Instructional Course Surgical Techniques video Session returns for the third year and will feature another new component this year - a co-branded CSRS/AANS/CNS Joint Section Session, which will include presentations by members as well as neurosurgeon colleagues.

Over the last several years, CSRS has sought opportunities to include the various disciplines in our educational activities as well as in our membership outreach. A co-branded Neurosurgical Symposium will also be offered during the Annual Meeting. These co-branded sessions demonstrate our commitment to strengthen the breadth and depth of our educational offerings.

Complimentary Annual Meeting registration is offered again to any neurosurgeon who has not previously attended a CSRS meeting. Please help us spread the word and pass this information along to your neurosurgical friends and colleagues.

The online Abstract center closed on June 7th. Annual Meeting Program Chair, **Alexander J. Ghanayem, MD**, and his Committee are working to create a strong program designed to enhance your understanding of current issues in cervical spine research and promote the exchange of high-quality information on cervical spine injury and disease. Additional information and links are posted on the CSRS website: <http://www.csrns.org/web/index.html> Those who submitted Abstracts will be notified of the Committee's decision in August.

The 2010 meeting will take place at the Westin Hotel, situated in the uptown financial district of the city on College Street. Charlotte has recently experienced a huge growth spurt culminating in a dynamic new cityscape and adding an energetic vitality to the already thriving financial center.

Local hosts Debbie and **Bruce V. Darden, II, MD**, are making plans to ensure your visit to Charlotte includes a heavy dose of southern hospitality along with experiences showcasing Charlotte's rich history and its vibrant new cultural and entertainment attractions.

Optional activities during the meeting will include mountain biking at the US National Whitewater Center or racing fun at the Charlotte Motor Speedway. Spouses can choose to tour the Levine Museum of the New South paired with a walking tour of downtown Charlotte led by a local historian. Friday evening's social event will take place at the NASCAR Hall of Fame, a brand new event venue celebrating the birthplace of NASCAR racing.

Our block of rooms at the Westin expires on October 29th. Please reserve early to avoid disappointment.

Additional meeting information will be posted on the CSRS website as it becomes available.

NOMINATING COMMITTEE

COMMITTEE SEEKS NOMINATIONS

At this time, the 2010 Nominating Committee comprised of Chair, Thomas A. Zdeblick, MD; Todd J. Albert, MD; Randy F. Davis, MD; Francis W. Gamache, MD and Robert A. Hart, MD; are seeking nominations for the office of Vice-President and Secretary. Nominees for this position must be "Active" members of CSRS in good standing.

Submit your nominations to csrs@aaos.org or via first class mail to **Bruce V. Darden, II, MD**, CSRS Secretary, 6300 N. River Road, Suite 727, Rosemont, IL 60018-4226.

NEW MEMBERS

Welcome New Members – we look forward to seeing you in Charlotte in December!

ACTIVE MEMBERS

Jacob M. Buchowski, MD St. Louis, MO	Thomas E. Mroz, MD Cleveland, OH
Mitchell J. Campbell, MD Louisville, KY	Ahmad Nassr, MD Rochester, MN
Andrew T. Dailey, MD Salt Lake City, UT	Joseph R. O'Brien, MD Washington, DC
Michael Daubs, MD Las Vegas, NV	Rolando F. Roberto, MD Sacramento, CA
Hossein K. Elgafy, MD Holland, OH	Christopher I. Shaffrey, MD Charlottesville, VA
Amir H. Fayyazi, MD Allentown, PA	Leo Spector, MD Charlotte, NC
Michael C. Gerling, MD Brooklyn, NY	Charles H. Wingo, MD Tallahassee, FL
Richard Guyer, MD Plano, TX	Beth A. Winkelstein, PhD Philadelphia, PA
Brian Kwon, MD Boston, MA	Jean Paul Wolinsky, MD Baltimore, MD
Joon Y. Lee, MD Pittsburgh, PA	Jim A. Youssef, MD Durango, CA
Ronald A. Lehman, Jr., MD Potomac, MD	
Sergio Mendoza-Lattes, MD Iowa City, IA	

CORRESPONDING MEMBERS

Ken Ishii, MD, PhD Tokyo, Japan
Dong Ho Lee, MD, PhD Seoul, Korea
Kwang Bok Lee, MD, PhD Los Angeles, CA
Jun Mizutani, MD, PhD Nagoya, Japan
Masaya Nakamura, MD, PhD Tokyo, Japan
Moon Soo Park, MD Anyang Gyunggi, Korea
Yung Park, MD Gyunggi-do Goyang, Korea
Toshihiko Taguchi, MD, PhD Ube Yamaguchi, Japan
Hongxing Shen, MD Shanghai, China
Hyunchul Shin, MD, PhD Seoul, Korea
Kyung-Jin Song, MD, PhD Jeongju, Korea
Kyung-Soo Suk, MD, PhD Seoul, Korea
Masatoshi Sumi, MD, PhD Kobe Hyogo, Japan
Vo Van Thanh, MD, PhD Hochiminh, Viet Nam

Membership Information

Current CSRS membership classification and numbers

Active Members	186
Corresponding Members	66
European Members	74
Senior Members	57
Total Membership	383

MEMBER ELIGIBILITY REQUIREMENTS CHANGE

BYLAWS AMENDMENT PASSES

The general membership voted favorably on two new membership ByLaw changes at the 2009 Members' Business Meeting. The first amendment (ByLaws Article II, Section I, Active Members) broadens the participation criteria for Active Members. In addition to attendance at a US Section Annual Meeting/Instructional Course once every four years, members are now required to:

- ◇ Submit a scientific paper for presentation at a US Section scientific seminar;
- ◇ Serve as faculty or moderator at a US Section Annual Meeting or an Instructional Course;
- ◇ Serve on a US Section Committee;
- ◇ Participate in Society research and data collection studies;

It was also proposed that **any author on an accepted paper or poster** qualify for active membership (Bylaws Article II, Section I, Requirements for Membership). Historically, this was strictly limited to the presenter of a podium presentation.

Please note that attendance at a CSRS meeting every four years has been and remains a long-standing requirement. Please contact the administrative office if you are not certain when you last attended a meeting.



The Grand America Hotel in Salt Lake City, Utah, proved to be an outstanding venue for the 2009 CSRS meetings. Situated against the stunning backdrop of the snow covered Wasatch Mountain Range and decorated in traditional holiday finery, the hotel was an ideal setting for CSRS' 2009 Instructional Course, Scientific Meeting and social program.

Highlights included Presidential Guest Speaker, **Professor H. Alan Crockard's** historical perspective on early procedures and treatments, which have since been proven to be ineffective.

He wittily interacted with co-Moderator **Bradford V. Currier, II, MD**, amidst the five top-scoring poster presentations during a US Section first, "Posters Live", interactive Session. **President Todd J. Albert, MD**, gave an inspiring address on leadership and mentoring.

Dr. Frank Phillips and his Scientific Program Committee organized an excellent group of papers and posters, which were very highly rated and included the successful "Posters Live" Session referenced above. Symposia included a panel discussion on worst outcomes and knowledge gained as well as four case presentations and respective treatment options.

Dr. Mark S. Eskander's poster entitled, "Aberrance Course of the Vertebral Artery as Demonstrated by Magnetic Resonance Imaging: A Review of 281 Consecutive Scans", received the Best Clinical Poster Award. As the 2009 CSRS Poster Award winner, Dr. Eskader was invited to present his poster at the Annual Meeting of the Orthopaedic Research Society (ORS) in New Orleans in March, 2010.

Jeffrey C. Wang, MD, once again headed the Instructional Course Program Committee, which included the highly popular Surgical Techniques video Session. His Committee consisted of **Randy F. Davis, MD; Robert F. Heary, MD; and Rick C. Sasso, MD**. The Coure continues to be well received and discussion is underway to archive the videos as a permanent educational resource. Thanks to **Dr. Wang** and his Committee for their efforts in organizing this outstanding educational event.

Special thanks to local hosts Ronald I. Apfelbaum, MD and Darrel S. Brodke, MD, for all their support and assistance in the meeting planning. Optional activities included skiing at beautiful Snowbird and a tour of Park City, which included a visit to the spectacular Olympic Park, the 2002 Winter Olympics venue. For those who never visited Salt Lake City, the meeting proved to be an excellent introduction to an easily accessible city offering a wide variety of activities in a spectacular natural setting.

WEBSITE CORNER

NEW! CSRS ONLINE LOGIN REQUIRED

Upon *initial* login, members are required to select "[Request Your New Password](#)" (please see illustration below). Your Username (CSRS ID Number) and email (to match that on file with us), are required. Please contact us if you need this information.



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Randy F. Davis, MD
Francis W. Gamache, Jr., MD
Robert A. Hart, MD

TELL IT LIKE IT IS

Your input is important to us – we want to hear from you! Please forward any thoughts, questions, suggestions or comments to csrs@aaos.org

WITH OUR THANKS

Sincere thanks to our “Member Photographers”, **Jeffrey D. Coe, MD**; and **Christopher G. Ullrich, MD**, who generously shared their photographs with all of us!



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