

Curriculum Vitae

Revised: May 26, 2012

NAME: Sean Kenneth Carlson

BORN: October 5th, 1967, Berkeley, California



CURRENT POSITIONS:

Orthodontist, Private Practice
163 Miller Avenue, Suite 3
Mill Valley, California 94941
(415) 388-2970
sean@carlsonorthodontics.com

Associate Professor
Department of Orthodontics, University of Pacific School of Dentistry
2155 Webster Street
San Francisco, California 94115
(415) 749-3333
scarlso1@uop.edu

EDUCATION:

INSTITUTION AND LOCATION	DEGREE CONFERRED	YEAR CONFERRED	FIELD OF STUDY
University of California, San Francisco	MS	1998	Oral Biology
University of California, San Francisco	Certificate	1998	Orthodontics
Harvard School of Dental Medicine, Boston	DMD	1994	Dentistry
University of California, Santa Barbara	BA	1989	Biology

PROFESSIONAL PRACTICE RECORD:

2003-now Private Practice: Carlson Orthodontics: 163 Miller Avenue, Suite 3, Mill Valley, California 94941
1999-2003 Private Practice (Partnership with Dr. Earl Johnson): 163 Miller Avenue, Suite 3, Mill Valley, California 94941
1998-1999 Associate: Dr. Earl Johnson, 163 Miller Avenue, Mill Valley, California 94941
1998-1999 Associate: Dr. William Green, 256 N. San Mateo Dr., San Mateo, Ca 94401
1998-1999 Associate: Dr. William Green, 731 South Dora, Ukiah, California 95703

PRINCIPAL ACADEMIC APPOINTMENTS:

2010-now Associate Professor of Orthodontics, University of Pacific, San Francisco
1998-2010 Assistant Professor of Orthodontics, University of Pacific, San Francisco
1994-1995 Research Fellow, Dept. of Orthodontics, University of California, San Francisco

PROFESSIONAL CREDENTIALS:

2007 Diplomat, American Board of Orthodontics
2007 Satisfactory attainment ABO Phase III exam, Feb 2007.
1998 Satisfactory attainment ABO Phase II exam, May 1998.
1994 Satisfactory attainment in the California State Board Licensing Exam, June 1994
1993 Satisfactory attainment in the National Board Dental Examination part II.
1991 Satisfactory attainment in the National Board Dental Examination part I.

PROFESSIONAL ORGANIZATIONS:

Diplomat, American Board of Orthodontics
American Association of Orthodontists
Pacific Coast Society of Orthodontists
California Association of Orthodontists
American Dental Association
California Dental Association
Marin County Dental Society
International Association of Dental Research
American Association of Dental Research

PROFESSIONAL STUDY CLUBS:

North Bay Interdisciplinary Group (Co-founder; established May 2000)
Marin County Orthodontic Study Club

ADVANCED EDUCATION:

2003 Occlusion in Clinical Practice. The Seattle Institute for Advanced Dental Education. Instructor: Frank Spear, DDS, MSD.
2000 The Exceptional Specialty Network: An Interdisciplinary Approach to Esthetic Excellence. The Seattle Institute for Advanced Dental Education. Instructors: Frank Spear, DDS, MSD; Vince Kokich, DDS, MSD; Dave Mathews, DDS.
1997 Andrews Orthodontic Philosophy Course - Sixth Annual Session.
1995-1997 Roth/Williams Course, Center for Functional Occlusion, Group VII

HONORS AND AWARDS:

2003 Dr. Richard Rummel Rutter Outstanding Faculty Award – UOP Orthodontics
2001 American Association of Orthodontists Foundation Biomedical Research Award
1999 American Association of Orthodontists Foundation Biomedical Research Award
1994 American Association of Orthodontists Excellence in Research Award
1994 Dr. Norman B. Nesbett Excellence in Clinical Dentistry Award
1994 Teledyne Water Pik Prosthodontic Award
1994 Quintessence Excellence in Academic Achievement Award

RESEARCH GRANTS:

As Principal Investigator:

2001-2002 AAOF Biomedical Research Award - "The Development of Computer Software for Precise Landmark Location on High Resolution Frontal and Lateral Cephalograms." Funded by American Association of Orthodontists Foundation: Total: \$15,000.

1999-2000 AAOF Biomedical Research Award - "The Development of Computer Software for Calibrating Landmark Identification on Frontal and Lateral Cephalograms."
Funded by American Association of Orthodontists Foundation: Total: \$15,000.

PUBLICATIONS AND MANUSCRIPTS:

(Principal author underscored)

1. 2012 – S Carlson, JC Quintero: Straight Talk on 3D Imaging; CBCT – Changing the Face of Orthodontics: *Orthodontic Practice*: Volume 3, Number 2, April 2012.
2. 2011 – S Carlson, J Graham, WH Harrell Jr., E Lin, A Molen, WR Womack: The Truth About CBCT Radiation: *OrthoTown*: September 2011.
3. 2010 – R Solow, M Seda, S Carlson, D Rishwain: Clinical Treatment Planning – Case 66: *Seattle Study Club*: Pages 16-22, July 2011.
4. 2003 - W Lieber, S Carlson, D Poulton, S Baumrind: Clinical use of the ABO scoring index: Reliability and subtraction frequency: *The Angle Orthodontist*: (Accepted) January 2003.
5. 2002- S Baumrind, S Carlson, A Beers, S Curry, K Norris and RL Boyd: Using 3D Imaging to Assess Treatment Outcomes in Orthodontics: A Progress Report from the University of Pacific : *COAST Proceedings*: November 2002.
6. 2001- S Curry, S Baumrind, S Carlson, A Beers and RL Boyd: Integrated Three-Dimensional Craniofacial Mapping at the Craniofacial Research Instrumentation Laboratory/University of Pacific: *Seminars in Orthodontics: Three-Dimensional Diagnosis and Treatment in Orthodontics*: December 2001; 7,4:258-265.
7. 2001- S Carlson, edited by T Duong: Case Report; How would you treat this malocclusion? *PCSO Bulletin Spring 2001;22-23 & 37-39*.
8. 2001- S Carlson and E Johnson: Bracket Resets: Five Steps to Align Crowns and Roots Consistently. *American Journal of Orthodontics and Dentofacial Orthopedics* 2001;119:76-80.
9. 2000- S Carlson Improving the reliability of cephalometric landmark location: The development and testing of a new computer program. *Submitted for consideration for the 2001 Milo Hellman Award*.
10. 1998- S Kapila, S Carlson, R van den Berg: Orthodontic Treatment of Anterior Crossbite and Dental Asymmetry Associated with an Impacted Maxillary Canine. *Case Studies in Orthodontics*. Volume II, Number 2, Nov 1998.
11. 1998- S Carlson: Improving computer cephalometric superimpositions. UCSF Masters Thesis. In association with Dr. Sheldon Baumrind at the University of California, San Francisco and Dr. Stuart Hunter at University of Western Ontario School of Dental Medicine.
12. 1994- S Carlson: Tooth eruption patterns in the human mandible: A longitudinal cephalometric study using Björk implants. Harvard 5th Year Thesis. In association with Dr. Sheldon Baumrind at the UCSF and Dr. Coenraad Moorrees at Harvard School of Dental Medicine. (Awarded the American Association of Orthodontists Award)
13. 1993- S Carlson: A model for coronal caries risk assessment in elementary school children. Harvard 4th Year Thesis. In association with Dr. Chester Douglas and Dr. Michael Carino, Department of Dental Care Administration, Harvard School of Dental Medicine.

ABSTRACTS:

(Principal author underscored)

1. 2004- SK Carlson, D Gilmore, S Baumrind, RL Boyd: Assessing mesiodistal root alignment using two methods: A reliability study. IADR 82nd General Session, Honolulu, HI.
2. 2004- R Shafiee, SK Carlson, RL Boyd, S Baumrind,: Estimating the Role of "Chin Prominence" in "Facial Attractiveness". IADR 82nd General Session, Honolulu, HI.
3. 2004- V Pollock, RL Boyd, SK Carlson, and S Baumrind Tooth Loss from Apical Root Resorption: Clinicians' Estimates of Incidence. IADR 82nd General Session, Honolulu, HI.
4. 2004- S Nabipour, H Pearson, SK Carlson, RL Boyd, and S Baumrind: Agreement/Disagreement among different Cephalometric Measurements of Similar Anatomical Phenomena. IADR 82nd General Session, Honolulu, HI.
5. 2004- A Kouvaris, SK Carlson, RL Boyd, and S Baumrind: Differences in Profile Change *During Treatment*: Extraction vs. Non-Extraction Patients. IADR 82nd General Session, Honolulu, HI.
6. 2003- Y Zaeni, SK Carlson, S Baumrind, RL Boyd: Differences in the Representation of Mesiodistal Root Alignment Between Periapical and Panoramic X-rays
7. 2002- S Nabipour, S Baumrind, SK Carlson, N Salipudi, RL Boyd: Assessment of the Accuracy of the CRIL Stereo X-ray and 3D Metrics™ System in Linear Measurements.
8. 2002- SK Carlson, S Baumrind, RL Boyd, S Chong, L Walker: Differences in tooth dimension measurements between study models, periapical x-rays, and panoramic x-rays. AADR 80th General Session, San Diego, CA.
9. 2002- S Khoshnevis, S Carlson, S Baumrind and RL Boyd: Measuring Mandibular Growth: Using Articulare as a Surrogate for Condylion. AADR 80th General Session, San Diego, CA.
10. 2002- Y Singh, S Baumrind, S Carlson and R Boyd: Problems in Cephalometric Registration: SN versus Frankfort Plane. AADR 80th General Session, San Diego, CA.
11. 2002- JN Tsau, SK Carlson, RL Boyd, S Baumrind: Superimposition of Serial Cephalometric Images Directly on a Computer Monitor.. AADR 80th General Session, San Diego, CA.
12. 2001- T-M Xu, Wei, Gu, Chen, Baumrind Carlson, Boyd: A randomized prospective trial comparing two retraction techniques: Initial Findings. AADR 79th General Session, Chicago, IL.
13. 2001- SK Carlson, S Baumrind, RL Boyd, S Curry: Initial Testing of a Computer Program to Improve Landmark Location Reliability. AADR 79th General Session, Chicago, IL.
14. 2000- T-M Xu, Jia, Chen, Baumrind Carlson, Boyd:A randomized prospective trial comparing two retraction techniques. IADR 78th General Session, Washington, DC.
15. 2000- R Boyd, D Poulton, S Carlson, S Baumrind: Comparison between PAR analysis and subjective assessments of occlusal status. IADR 78th General Session, Washington, DC.
16. 2000- SK Carlson, S Baumrind, RL Boyd, N Nalchajian: Facial differences following extraction and non-extraction treatment in borderline cases. IADR 78th General Session, Washington, DC.

17. 1999- T-M Xu, S Baumrind, S Carlson, RL Boyd: Soft tissue profile changes during orthodontic treatment. IADR 77th General Session, Vancouver, Canada.
18. 1999- SK Carlson, S Baumrind, T-M XU, RL Boyd: Cephalometric correlates of increased chin prominence. IADR 77th General Session, Vancouver, Canada.

PRIMARY SPEAKING ENGAGEMENTS:

(Continuing education courses and essays to large groups)

1. **2012** – May 25th, 2012 (Morning Session – 2hrs) - “Integrating Cone Beam 3-D Imaging into Orthodontic Practice: Understanding Dosimetry and the Science of CBCT” Imaging Sciences i-CAT Event, Rocklin, California.
2. **2012** – April 27th and 28th, 2011 (Afternoon Session – 2hrs) - “Evidence-Based Clinical 3D Orthodontics.” The 6th International Congress on 3-D Dental Imaging; Moving From 2D to 3D, Miami, Florida.
3. **2011** – November 4th and 5th, 2011 (Afternoon Session – 2hrs) - “Debunking the Myths of Cone Beam Imaging: Applying the Science in Everyday Orthodontic Practice.” The 5th International Congress on 3-D Dental Imaging; 3D In Practice, Dallas, Texas.
4. **2011** – July 29th, 2011 (Afternoon Session – 1.5hrs) - “Integrating Cone Beam 3-D Imaging into Everyday Orthodontic Practice: Pushing Beyond “Pans and Ceph”.” Imaging Sciences Live 3D Dentistry Forum, Anaheim, California.
5. **2011** – April 2nd, 2011 (Afternoon Session – 1.5hrs) - “The Visual Craniometric Analysis (VCA); Moving beyond traditional Cephalometrics.” Anatamage User’s Group, Annual Meeting, San Francisco, California.
6. **2010** - November 8th, 2010 (Afternoon Session – 2hrs) - “Integrating Cone Beam 3-D Imaging into Everyday Orthodontic Practice: Clinical and Technical Considerations. ” North East Regional Society of Orthodontists, Annual Meeting, Montreal, Canada.
7. **2010** – April 10^h, 2010 (Afternoon Session – 2hrs) - “Integrating Cone Beam 3-D Imaging into Everyday Orthodontic Practice: Clinical and Technical Considerations. ” Anatamage Users Group Meeting, San Jose, California.
8. **2009** – November 9th, 2009 (Morning Session – 2hrs) - “Integrating Cone Beam 3-D Imaging into Everyday Orthodontic Practice: Clinical and Technical Considerations. ” Imaging Sciences i-CAT Meeting, San Mateo, California.
9. **2008** - November 13th, 2008 (Afternoon Session – 4hrs) - “Creating Your Dream Practice: Eight Key Areas Every Doctor Should Master. ” Pacific Coast Society of Orthodontists, Annual Meeting, Palm Springs, CA.
10. **2008** - September 23th, 2008- (Afternoon Session – 3hrs) “Integration of Cone Beam CT Imaging into Orthodontics Practice: Clinical and Technical Considerations.” Canadian Association of Orthodontists, Annual Meeting, Winnipeg, Manitoba, Canada. Winnipeg Conference Center
11. **2006** - September 28th, 2006- “Integration of Cone Beam Imaging into Dental Practice: Clinical and Technical Considerations.” Marin County Dental Society, Regional Meeting, San Rafael, CA.

12. **2005** - April 9th, 2005- "Integration of Cone Beam Imaging into an Orthodontic Practice: Clinical and Technical Considerations." American Association of Dentomaxillofacial Radiology, Regional Meeting, San Francisco, CA.
13. **2004** - September 20th, 2004- "Unlocking the Mysteries of Diagnosis and Treatment Planning." Pacific Coast Society of Orthodontists, Annual Meeting, Palm Springs, CA.
14. **2004** - June 4th, 2004- (Afternoon Session– 3hrs) "Unlocking the Mysteries of Diagnosis and Treatment Planning." Pacific Coast Society of Orthodontists, Central Regional Meeting, San Ramon, CA.
15. **2004** - March 12th, 2004- "Assessing mesiodistal root alignment using two methods: A reliability study." International Association of Dental Research 82nd General Session, Honolulu, HI.
16. **2003** - June 6th, 2003 – "Back to Basics: A Stepwise Approach to Diagnosis and Treatment Planning in the Digital Age." Pacific Coast Society of Orthodontists, Southern Regional Meeting, Los Angeles, CA.
17. **2003** - January 21st, 2003 – "Understanding Digital Images." Marin County Dental Society, San Rafael, CA. Four Points Sheraton
18. **2002** - November 12th, 2002 – "Understanding Digital Images." Medico-Dental Study Guild of California, San Francisco, CA.
19. **2000** - February 13th, 2000 – Sharing of data and training for clinical research on an international basis via the Internet." University of Pacific, School of Dentistry Asilomar Conference.
20. **1997** - November 7th, 1997 "Mandibular eruption patterns studied by superimposition of serial oblique cephalograms". 1.5 hr essay presented in honor of Dr. Rodney Mathews. Edward H. Angle Society, Northern California Regional Meeting.

SECONDARY SPEAKING ENGAGEMENTS:

(Invited lectures to small groups, industry or students)

1. March 12th, 2004- "Assessing mesiodistal root alignment using two methods: A reliability study." International Association of Dental Research 82nd General Session, Honolulu, HI.
2. September 11th, 2003 - "Making intelligent orthodontic referrals". 1hr lecture given to third-year dental students. University of Pacific, School of Dentistry.
3. May 22nd, 2003 – "PowerPoint Workshop for Clinicians." Marin County Dental Society, San Rafael, CA
4. September 27th, 2002 – "Win/Win Practice Transitions" (as Guest Speaker) University of California, San Francisco – Department of Orthodontics, San Francisco, CA.
5. September 5th, 2002 - "Making intelligent orthodontic referrals". 1hr lecture given to third-year dental students. University of Pacific, School of Dentistry.
6. March 8th, 2002 – "Differences in tooth dimension measurements between study models, periapical x-rays, and panoramic x-rays." IADR 100th General Session, San Diego, CA

7. January 31st, 2002 – “Understanding Digital Imaging.” Marin County Orthodontic Study Club, Marin County, CA.
8. March 10th, 2001 – “Initial Testing of a Computer Program to Improve Landmark Location Reliability.” AADR 79th General Session, Chicago, IL.
9. September 14th, 2001 - “Orthodontic referrals and their follow-up”. 1hr lecture given to third-year dental students. University of Pacific, School of Dentistry.
10. April 6th, 2000 – “Facial differences following extraction and non-extraction treatment in borderline cases.” IADR 78th General Session, Washington DC.
11. September 16th, 1999 - “Orthodontic referrals and their follow-up”. 1hr lecture given to third-year dental students. University of Pacific, School of Dentistry.
12. September 15th, 1998 - “Orthodontic referrals and their follow-up”. 1hr lecture given to third-year dental students. University of Pacific, School of Dentistry.
13. January 15th, 1997 - “Molar distalization: An introduction to techniques”. 1 hr lecture given to second-year dental students. University of California, San Francisco.

POSTER PRESENTATIONS:

1. March 11th, 2004- S Nabipour, H Pearson, SK Carlson, RL Boyd, and S Baumrind: Agreement/Disagreement among different Cephalometric Measurements of Similar Anatomical Phenomena. IADR 82nd General Session, Honolulu, HI.
2. March 11th, 2004- A Kouvaris, SK Carlson, RL Boyd, and S Baumrind: Differences in Profile Change *During Treatment*: Extraction vs. Non-Extraction Patients. IADR 82nd General Session, Honolulu, HI.
3. March 12th, 1999 – SK Carlson, S Baumrind, T-M XU, RL Boyd “Cephalometric correlates of increased chin prominence.” IADR 77th General Session, Vancouver, Canada.

ROUND TABLE DISCUSSIONS:

(As Group Leader)

1. May 1st, 2000 – “Improving the precision of landmark location on digital cephalograms.” Roundtable discussion leader. American Association of Orthodontists Annual Session, Chicago, Illinois.

PRIMARY RESEARCH INTERESTS:

Dr. Carlson’s primary focus is on using computer technology to improve the way we study, teach and practice orthodontics.

AVAILABLE ACADEMIC COURSES AND LECTURES:

Courses	Time	Students	Description
Critical Thinking and Research	1 hr/wk	Ortho Residents	Two-yr Course in Master’s Research
Treatment Planning Seminar	1 hr/wk	Ortho Residents	Seminar w/ Student Case Presentation
Introduction to Statistics	8 hrs	Ortho Residents	Intro to basic statistics – t-tests, corr, etc
Introduction to Cephalometric Landmark Location	4 hrs	Ortho Residents	Overview of ceph anatomy and tracing.
Introduction to Cephalometric Errors	3 hrs	Ortho Residents	Describes errors assoc w ceph analyses

Lectures	Time	Students	Description
Orthodontic referrals and their follow-up.	1 hr	Pre-doctoral	Informs new dentist how to refer to ortho

POST-DOCTORAL STUDENT MENTORING:

Candidate	Degree Conferred	University	Year
1. Ehsan Karimian, DDS	MSD	University of Pacific	2013
2. Jeong Rae Cho, DDS	MSD	University of Pacific	2013
3. Victor Lee, DDS	MSD	University of Pacific	2013
4. Jihyun Ahn, DDS	MSD	University of Pacific	2013
5. Leah Walker, DDS	MSD	University of Pacific	2006
6. Brandy Solomon, DDS	MSD	University of Pacific	2005
7. Thomas Ellerhorst, DDS	MSD	University of Pacific	2004
8. Eric Axelrode, DDS	MSD	University of Pacific	2004
9. Shawn Perce, DDS	MSD	University of Pacific	2004
10. Brian Steinhoff, DDS	MSD	University of Pacific	2003
11. David Gilmore, DDS	MSD	University of Pacific	2003
12. Jason Larkin, DDS	MSD	University of Pacific	2003
13. Scott Chong, DDS	MSD	University of Pacific	2002
14. Paul Lund, DDS	MSD	University of Pacific	2002
15. Shahryar Sefidpour, DDS	MSD	University of Pacific	2002
16. Hossein Abarghouei, DDS	MSD	University of Pacific	2001
17. Nitin Sallapudi, DDS	MSD	University of Pacific	2001
18. Hesham Amer, DDS	MSD	University of Pacific	2001
19. Joseph DeJesus, DDS	MSD	University of Pacific	2000
20. Dewey Getz, DDS	MSD	University of Pacific	2000
21. Nicole Nalchajian, DDS	MSD	University of Pacific	1999

PRE-DOCTORAL STUDENT MENTORING:

Candidate	Capacity	University	Grad Year
1. Babak Khayatan	Research Associate	University of Pacific	2005
2. Kieth Coombs	Research Associate	University of Pacific	2005
3. Brad Pezolt	Research Extern	University of Pacific	1990
4. Christopher Anderson	Research Associate	University of Pacific	2004
5. Edgar Mendietta	Research Associate	University of Pacific	2004
6. Paul Saget	Research Associate	University of Pacific	2004
7. Yasmine Zaeni	Research Associate	University of Pacific	2003
8. Gregory Bower	Research Associate	University of Pacific	2003
9. Lief Cobain	Research Associate	University of Pacific	2003
10. Joshua Erickson	Research Associate	University of Pacific	2003
11. James Tsau	Research Extern	University of Pacific	2003
12. Leah Walker	Research Associate	University of Pacific	2002
13. Minal Fichadia	Research Associate	University of Pacific	2002
14. Aman Dhillon	Research Associate	University of Pacific	2002
15. Andrew Kouvaris	Research Associate	University of Pacific	2002
16. Kris Rosander	Research Associate	University of Pacific	2002
17. Minoo Makassebi	Research Associate	University of Pacific	2002
18. Angela Chow	Research Extern	University of Pacific	2003
19. Nancy Phan	Research Associate	University of Pacific	2001
20. Ted Moore	Research Associate	University of Pacific	2001
21. Brian Steinhoff	Research Associate	University of Pacific	2001
22. Jason Larkin	Research Associate	University of Pacific	2001
23. Rasika Niran	Research Associate	University of Pacific	2001
24. Paul Kennedy	Research Associate	University of Pacific	2001
25. Jeremy Bold	Research Intern	University of Pacific	2000
26. Paul Lund	Research Associate	University of Pacific	2000
27. Chris Murphy	Research Associate	University of Pacific	2000
28. Damion Newhart	Research Associate	University of Pacific	2000
29. Charles Smurthwait	Research Associate	University of Pacific	2000
30. Diasuke Bannai	Research Intern	University of Pacific	2000
31. Shahryar Sefidpour	Research Extern	University of Pacific	2000
32. Christine Richmond	Research Associate	University of Pacific	2000
33. Steve O'Hara	Research Intern	University of Pacific	1999
34. Greg Larson	Research Associate	University of Pacific	1999
35. Brad Evans	Research Associate	University of Pacific	1999

36. Greg Vaughn	Research Associate	University of Pacific	1999
37. Hossein Abarghouei	Research Associate	University of Pacific	1999
38. Eric Axelrode	Research Intern	University of Pacific	1998

CONTINUING EDUCATION:

(General)

- 1995-now** Attended sufficient continuing education courses to maintain membership in the American Association of Orthodontists.
- 1994-now** Attended sufficient continuing education courses to maintain license as a dentist.

CONTINUING EDUCATION:

(Details)

1. **2012** – The 6th International Conference on 3-D Dental Imaging - **SPEAKER**: “Moving From 2D to 3D” Miami, FL, Apr 27th – Apr 28^h.
2. **2012** – Anatomage User’s Group, Annual Meeting:, Monterey, California. March 30th – April 1st, 2012
3. **2012** – Dolphin Imaging User’s Group, Annual Meeting:, Anaheim, California. March 7th – 10th, 2012
4. **2012** - Pacific Coast Society of Orthodontists, Northern Regional Meeting, San Mateo, CA. Feb 3rd.
5. **2011** – The 5th International Conference on 3-D Dental Imaging - **SPEAKER**: “3-D In Practice” Dallas, TX, Nov 4th – Nov 5^h.
6. **2011** – Live 3-D Dentistry Forum - **SPEAKER**: “3-D Imaging Institute,” Anaheim, CA, July 29th.
7. **2011** – American Association of Orthodontists 111th Annual Session: “Changes, Challenges, Choices” Chicago, IL, May 13th – May 17th.
8. **2011** – Anatomage User’s Group, Annual Meeting - **SPEAKER**:, San Francisco, California. April 1st – 3rd, 2011
9. **2011** –The Orthodontist as CEO: “Adapting to Tomorrow Today”, AAO Sponsored Meeting. San Diego, CA. February 25th-27th.
10. **2010** – North East Society of Orthodontists 89th (NESO) Annual Session - **SPEAKER**: Montreal, Quebec, Canada, November 14th – November 18th.
11. **2010** – American Association of Orthodontists 110th Annual Session: “Passion for Excellence”, Washington, D.C., April 30th – May 1st.
12. **2010** – Anatomage Users Group Meeting 1st Annual Session - **SPEAKER**: San Jose, CA, April 9th – April 10th.
13. **2009** – Imaging Sciences i-CAT Event; 3-D Dental Imaging In Orthodontics - **SPEAKER**: “Integration of Cone Beam CT Imaging into Orthodontics Practice: Clinical and Technical Considerations.” San Mateo, CA, Nov 9th.
14. **2009** – Pacific Coast Society of Orthodontists 69th Annual Session: Phoenix Convention Center, Phoenix, Arizona. October 22nd – October 25th.
15. **2009** – American Association of Orthodontists 109th Annual Session: “Orthodontics Heard Round the World”, Boston, MA, May 1st – May 5th.
16. **2008** – Pacific Coast Society of Orthodontists 68th Annual Session - **SPEAKER**: “Tomorrow’s Practice Living the Dream”, Palm Springs Convention Center, Palm Springs, California. November 13th – November 16th.

17. **2008** – Canadian Association of Orthodontists 60th Annual Session – **SPEAKER**: “Eat, Meet, and be Prairie”, Winnipeg Convention Center, Winnipeg, Manitoba, Canada. September 11th – September 13th.
18. **2008** – The 2nd International Congress on 3-D Dental Imaging: Tahoe, CA. July 25th – July 27th.
19. **2008** – American Association of Orthodontists 108th Annual Session: Denver, CO, May 17th – May 21st.
20. **2004** – Pacific Coast Society of Orthodontists 68th Annual Session - **SPEAKER**: “Finishing On Target On Time”, Palm Springs Convention Center, Palm Springs, California. September 18th– September 21st.
21. **2004** – California Association of Orthodontists and PCSO Central Regional Meeting - **SPEAKER**: "Loco Motion: Engineering and Clinical Orthodontics"; Speaker: Dr. Gerald S. Samson. "Digital Imaging in Orthodontics"; Speaker: Dr. Sean K. Carlson. Marriot Hotel, San Ramon, California. June 4th.
22. **2004** – American Association of Orthodontists 104th Annual Session: Orange County Center, Orlando, Florida. April 30th – May 4th.
23. **2004** – 3M Unitek Summit Meeting: "Efficient Orthodontics Using the MBT System"; Speaker: Dr. Richard McLaughlin. Monte Carlo Hotel, Las Vegas, Nevada. April 1st – 3rd.
24. **2004** – International Association of Dental Research 103rd Annual Session: Hawaii Convention Center, Honolulu, HI. March 10th – March 14th.
25. **2004** – California Association of Orthodontists and PCSO Central Regional Meeting: Crown Plaza Hotel, Foster City, California. February 20th.
26. **2003** – The Ultimate Marketing Seminar: Tom Marcel and Charlene White, Office of Dr. Tom Marcel, Livermore, CA. November 7th – November 8th.
27. **2003** – Pacific Coast Society of Orthodontists 67th Annual Session: Vancouver Conference Center, Vancouver, British Columbia. October 11th – October 14th.
28. **2003** - Pacific Coast Society of Orthodontists, Southern Regional Meeting - **SPEAKER**, Los Angeles, CA. June 6th, “Back to Basics: A Stepwise Approach to Diagnosis and Treatment Planning in the Digital Age.”
29. **2003** – California Association of Orthodontists and PCSO Central Regional Meeting: "Becoming the best Ortho Team You Can Be"; Speaker: Dr. Rosemary Bray. Crown Plaza Hotel, Foster City, California. June 2nd.
30. **2003** – California Association of Orthodontists and PCSO Central Regional Meeting: "Functional Appliances"; Speaker: Dr. DeVincenzo. Crown Plaza Hotel, Foster City, California. February 24th.
31. **2003** – Occlusion in Clinical Practice. The Seattle Institute for Advanced Dental Education. Instructor: Frank Spear, DDS, MSD. Bellevue Hyatt, Washington. January 30th-February 1st.
32. **2003** – The Orthodontist as CEO, AAO Sponsored Meeting . Tampa, FL. February 7th-8th.
33. **2002** – California Association of Orthodontists and PCSO Central Regional Meeting: “Diagnosis goes Digital”; Speaker: Dr. David Hatcher. Crown Plaza Hotel, Foster City, California. November 18th.
34. **2002** – Pacific Coast Society of Orthodontists 66th Annual Session: Monterey Conference Center, Monterey, California. October 5th – October 8th.
35. **2002** – Craniofacial Imaging in the 21st Century: Inaugural Conference. Speakers: Drs. James Mah, Allan Ferman, Sunil Kapila, Koutaro Maki, David Hatcher, Jan Kronmiller, Tim Wheeler. Asilomar Conference Center, Pacific Grove, California. September 6th-9th.
36. **2002** – “Evolving Therapies in Periodontal Regeneration”; Speaker: Dr. Lars Heijl. Grand Hyatt, San Francisco, California. June 12th.

37. **2002** – California Association of Orthodontists and PCSO Central Regional Meeting: “Multidisciplinary Team Approach: A Restorative Dentist’s Perspective”; Speaker: Dr. Randy Shoup. South San Francisco Conference Center, San Francisco, California. June 3rd.
38. **2002** – American Association of Orthodontists 102th Annual Session: Philadelphia Convention Center, Philadelphia, PA. May 3rd – May 7th.
39. **2002** – University of Pacific’s Annual Fred T. West Lecture: “Interdisciplinary Management of Anterior Esthetic Dilemmas: When, Why and How?”; Speaker: Dr. Vincent G. Kokich. Fairmont Hotel, San Francisco, California. March 16th.
40. **2002** – International Association of Dental Research 101th Annual Session: San Diego Convention Center, San Diego, CA. March 6th – March 9th.
41. **2002** – California Association of Orthodontists and PCSO Central Regional Meeting: “Distraction Osteogenesis: Advancement in Orthognathic Surgery”; Speaker: Dr. Martin Chin. South San Francisco Conference Center, San Francisco, California. February 25th.
42. **2001** – California Association of Orthodontists and PCSO Central Regional Meeting: “Facial Esthetics, Orthodontics and Orthognathic Surgery”; Speaker: Dr. William Arnett. Crown Plaza Hotel, Foster City, California. November 30th.
43. **2001** – Pacific Coast Society of Orthodontists 65th Annual Session: Hilton Hawai’ian Village & Conference Center, Honolulu, Hawaii. September 30th – October 4th.
44. **2001** – Henry’s Fork Multidisciplinary Dental Seminar: Elk Creek Lodge, Island Park, Idaho. July 28th – August 1st.
45. **2001** – California Association of Orthodontists and PCSO Regional Meeting: Speaker: Dr. Ib Nielsen. SF Airport Conference Center. South San Francisco, California. June 4th.
46. **2001** – American Association of Dental Research 99th Annual Session: Hyatt Regency Hotel & Convention Center, Chicago, Illinois. March 7th – March 10th.
47. **2001** – California Association of Orthodontists and PCSO Regional Meeting: Foster City, California. February 12th.
48. **2001** – Interdisciplinary Care Conference 1st Annual Session: Adam’s Mark Hotel & Convention Center, Dallas, Texas. February 9th – February 10th.
49. **2000** – Pacific Coast Society of Orthodontists 64th Annual Session: Reno Hilton & Conference Center, Reno, Nevada. September 30th – October 3rd.
50. **2000** – The Exceptional Specialty Network: An Interdisciplinary Approach to Esthetic Excellence. The Seattle Institute for Advanced Dental Education. Instructors: Frank Spear, DDS, MSD; Vince Kokich, DDS, MSD; Dave Mathews, DDS. Seattle, Washington. May 7th – May 10th.
51. **2000** – American Association of Orthodontists 100th Annual Session: Chicago Convention Center, Chicago, Illinois. April 28th – May 3rd.
52. **2000** – International Association of Dental Research 99th Annual Session: Convention Center, Washington, DC. April 5th – April 8th.
53. **2000** – California Association of Orthodontists and PCSO Regional Meeting: Foster City, California. February 28th.
54. **2000** – University of Pacific’s Annual Asilomar Conference: Asilomar, California. February 11th – February 13th.
55. **1999** – Interdisciplinary Care: Dr. Vince Kokich: Napa, California. November 20th.

56. **1999** – Pacific Coast Society of Orthodontists 63rd Annual Session: Pointe Hilton on South Mountain Resort, Phoenix, Arizona. November 16th – November 20th.
57. **1999** – California Association of Orthodontists and PCSO Regional Meeting: Foster City, California. September 27th.
58. **1999** – California Association of Orthodontists and PCSO Regional Meeting: California. June 21st.
59. **1999** – American Association of Orthodontists 99th Annual Session: San Diego Convention Center, San Diego, California. May 14th – May 19th.
60. **1999** – International Association of Dental Research 99th Annual Session: Vancouver, British Columbia, Canada. March 10th – March 13th.
61. **1999** – California Association of Orthodontists and PCSO Regional Meeting: California. February 1st.
62. **1999** – University of Pacific's Annual Fred T. West Lecture: Hyatt Regency, San Francisco, California. January 23rd.
63. **1998** – Pacific Coast Society of Orthodontists 62nd Annual Session: Palm Springs Convention Center, Palm Springs, California. October 31st – November 3rd.
64. **1996** – Pacific Coast Society of Orthodontists 60th Annual Session: Monterey Conference Center, Monterey, California. September 28th – October 1st.
65. **1995** – Pacific Coast Society of Orthodontists 59th Annual Session: Century Plaza Hotel & Tower, Los Angeles, California. November 5th – November 7th.

UNIVERSITY SERVICE:

University of the Pacific

2003-now	Director, Cephalometrics and Craniofacial Imaging
2001-2003	Director, Introduction to Scientific Writing Course
2001-2003	Co-director, Introduction to Cephalometrics Course
2001	Chairman, Ad-Hoc Grievance Committee
2000-2003	Member, Student Research Committee
1999-2004	Resident Research Coordinator, Executive Committee, Department of Orthodontics

Harvard University

1989-1990	Class Representative, HSDM Class of 1994.
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COMMUNITY SERVICE ACTIVITY:

1998-now	Kiddo™ Class Sponsorship, Mill Valley Elementary Schools
1998-now	Mill Valley Little League Team Sponsorship, Mill Valley
1992-1994	Cambridge School District Comprehensive Health Care Program

PERSONAL INTERESTS:

Dr. Carlson's personal interests stem from his long-standing love of music and art. He has never been far from an artistic outlet and applies this creative passion to his orthodontic practice.

He enjoys spending time with his family and friends conversing over cups of cappuccino. He also spends much of his free time cycling and hiking the hills of the Bay Area.

BIOGRAPHICAL SKETCH:

Dr. Carlson is a Board Certified Orthodontist who received his dental degree from Harvard University in 1994. There he was awarded the American Association of Orthodontists Award upon graduation for demonstrating exceptional interest in the development of the oro-facial complex. He received both his orthodontic specialty training and his Master of Science degree on Oral Biology from the University of California at San Francisco in 1998.

Currently, Dr. Carlson is an Associate Professor of Orthodontics at the University of the Pacific School of Dentistry where he teaches one day a week. He has received several academic research awards including two American Association of Orthodontists Foundation Awards and has published numerous articles and abstracts in the orthodontic literature. He lectures nationally on a variety of clinical and theoretical subjects. His current lecture schedule focuses on three-dimensional imaging in orthodontics and the treatment of dental impactions.

Since 1998, Dr. Carlson has served as a Senior Investigator in the Craniofacial Research and Instrumentation Laboratory at the University of the Pacific School of Dentistry. His primary focus is on using computer technology to improve the way we study, teach and practice orthodontics. As a result of his research, he has been at the forefront of 3-D imaging technology since it was first introduced to the orthodontic profession. He installed Marin County's first i-CAT 3-D CBCT x-ray machine in 2008.

Building on this background and using over a decade of cephalometric teaching experience, in 2011 Dr. Carlson introduced the Visual Craniometric Analysis (VCA), which aims to move the profession beyond its traditional cephalometric analysis. The Visual Craniometric Analysis (VCA) incorporates the increased three-dimensional information contained in a CBCT orthogonal dataset. It is designed to be simple, in both execution and interpretation. Dr. Carlson developed the VCA to aid all clinicians in designing more appropriate treatment plans and to improve their understanding of treatment success.