

The Edward H. Angle Society of Orthodontists

North Atlantic Component

The Strathallan Hotel & Spa, Rochester, NY

April 3-6

2019 Meeting



BOARD MEMBERS	PRESIDENT	VICE PRESIDENT	SECRETARY	TREASURER
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	Dr. Robert Schindel	Dr. Cynthia S. Beeman	Dr. E. Dianne Rekow	Dr. R. Scott Conley

Scientific Program

There have been many articles outlining the connection between the arts, imagination, and creativity with the sciences. Anyone familiar with Islamic geometrical design knows that there is a beauty associated with simple mathematics. This, and the concept of complexity theory are introduced (with examples from nature) in the Ian Stewart and Martin Golubitsky book, ***Fearful Symmetry: Is God a Geometer?***. Mathematical principles underpin musical theory and dance science is a fast-growing area of interest.

An undercurrent theme of this meeting is to expose you to a number of art forms, with the hope of stimulating those creative moments that surround hypothesis formation. "Enough has been said to substantiate the claim that the sciences rely on internal as well as external processes: on creativity and aesthetic judgment, as much as on the observation of empirical data."— Allen R and Heaton P. Can shared mechanisms of cultural evolution illuminate the process of creativity within the arts and the sciences, *Progress in Brain Research*, Volume 237, 2018.

How To Use This File

This brochure is provided in two formats: Microsoft Word and Apple Pages. Opening this file in either program allows you to take your own notes of the meeting. Some references are provided to get you started.

Email addresses are provided to encourage dialog amongst the group, Web pages are provided for easy access to further information about the meeting.




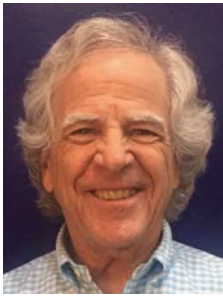

My hope is that this format can be used in future meetings and that we can eliminate the need to have a printed program. This is much more interactive and reduces our costs.




WEDNESDAY, APRIL 3, 2019




4:00 - 6:00 pm	Board Meeting, Dr. Spoon's room
7:00 - 11:00 pm	Welcome Reception, Rooftop Ballroom, Strathallan Hotel & Spa <ul style="list-style-type: none"> - Meal included - Big Blue House Band, http://www.bigbluehouseband.com - Pat Wilder, photographer, https://arts-festival.com/artists/photography/patricia-wilder - Richard Aerni, ceramicist, http://richardaerni.com - Paul Wilsea & Carol O'Brien, glass artists, http://www.willseaobrien.com - Scott Grove, wood artist, https://scottgrove.com


THURSDAY, APRIL 4, 2019


7:00 - 7:45 am	Breakfast								
7:45 - 8:00 am	President's Welcome, Introduction of Guests by Sponsors.								
8:00 - 8:15 am	Session Chair #1: Dr. James N. Thacker – Cincinnati, Ohio								
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 35%;">Presentation Title</th> <th style="width: 15%;">Photo</th> <th style="width: 15%;">Contact</th> <th style="width: 35%;">Notes</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Presentation Title	Photo	Contact	Notes				
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8:15 - 9:00 am	Dr. Joel F. Brodsky, <i>Surviving and Thriving in This Rapidly Changing Digital Era</i>		Lakewood, California, DrJBrodsky@aol.com	Member presentation #1
9:00 - 9:15 am	Dr. Harry L. Legan		Franklin, Tennessee, 48indian@bellsouth.net	Member reviewer #1
9:15 - 10:00 am	Dr. Michael G. Woods, <i>Mechanical Design for Young Orthodontic Patients: Impossible Without Real Consideration of Growth and the Vertical Pattern</i>		Victoria, Australia, mgwoods@primus.com.au	Member presentation #2
10:00 - 10:15 am	Dr. Len Rothenberg		Miami, Florida, Rothenberg1946@gmail.com	Member reviewer #2
10:15 - 10:45 am	Break			
10:45 - 11:45 am	Dr. Till E. Bechtold, <i>TMJ Degenerative Changes in Prg4-Null Mice Associated with Ectopic Hedgehog Signaling</i>		Tuebingen, Germany, tilledward@hotmail.com	Affiliate Presentation for Membership #2. Sponsors: Nah/Tuncay Mike's Notes: - Osteophyte formation and matrix mineralization in a TMJ osteoarthritis mouse model are associated with ectopic hedgehog signaling. Bechtold TE, Saunders C, Decker RS, Um HB, Cottingham N, Salhab I, Kurio N, Billings PC,


				<p>Pacifici M, Nah HD, Koyama E. Matrix Biol. 2016 May-Jul;52-54:339-354.</p> <p>- Hedgehog signal expression in articular cartilage of rat temporomandibular joint and association with adjuvant-induced osteoarthritis. Xu T, Xu G, Gu Z, Wu H. J Oral Pathol Med. 2017 Apr;46(4):284-291.</p>
11:45 am - 12:00 pm	Dr. Shiva Khatami		Fort Lauderdale, Florida, shkh2536@gmail.com	Affiliate reviewer #2
12:00 - 1:00 pm	Lunch			
1:00	Session Chair #2: Dr. Antonino Russo – Port Jefferson Station, New York			
1:00 - 2:30 pm	Dr. Jing Chen. <i>The Role of Estrogen, ER-α, and Alpha-2 Macroglobulin in Mediating TMJ Homeostasis</i>		New York, New York, jc3835@cumc.columbia.edu	<p>Affiliate Presentation for Membership #3. Sponsors: Wadhwa/Shroff</p> <p>Mike's Notes:</p> <p>- Estrogen Promotes Mandibular Condylar Fibrocartilage Chondrogenesis and Inhibits Degeneration via Estrogen Receptor Alpha in Female Mice. Robinson JL, Soria P, Xu M, Vrana M, Luchetti J, Lu HH, Chen J, Wadhwa S.</p> <p>- 17β-estradiol Induces MMP-9 and MMP-13 in TMJ Fibrochondrocytes via Estrogen Receptor α. Ahmad N, Chen S, Wang W, Kapila S. J Dent Res. 2018 Aug;97(9):1023-1030.</p>
2:30 - 2:45 pm	Dr. Robert B. Goldman		Stamford, Connecticut, rbgoldman@optonline.net	Affiliate reviewer #3

2:45 - 3:45 pm	Dr. Hechang Huang. <i>Role of Vascular Endothelial Growth Factor in Accelerated Orthodontic Tooth Movement: Cellular and Molecular Mechanisms</i>		Stony Brook, New York, Hechang.Huang@stonybrookmedicine.edu	Affiliate Presentation for Membership #4. Sponsors: Faber/Faber Mike's Notes: - Expression of vascular endothelial growth factor and the effects on bone remodeling during experimental tooth movement. Kohno S1, Kaku M, Tsutsui K, Motokawa M, Ohtani J, Tenjo K, Tohma Y, Tokimasa C, Fujita T, Kawata T, Tanne K. J Dent Res. 2003 Mar;82(3):177-82. - Expression and Function of Hypoxia Inducible Factor-1 α and Vascular Endothelial Growth Factor in Pulp Tissue of Teeth under Orthodontic Movement. Wei F, Yang S, Xu H, Guo Q, Li Q, Hu L, Liu D, Wang C. Mediators Inflamm. 2015;2015:215761..Epub 2015 Sep 9.
3:45 - 3:50 pm	Dr. Ronald M. Bellohusen		Elmira, New York, rbelloh1@stny.rr.com	Affiliate reviewer #4
3:50 - 4:05 pm	Break			
4:00 - 5:05 pm	Dr. Yasuhiro Itsuki. <i>Evaluation of Palatal True Bone Thickness: Relationship Between Maximum Bone Thickness and Transverse Palatine Suture</i>		Tokyo, Japan, hiro.itsuki@jingumaeorthod.com	Affiliate Presentation for Membership #5. Sponsors: Nanda/Urbe Mike's notes: - Quantitative evaluation with CBCT of palatal bone thickness in growing patients. Gracco A, Lombardo L, Cozzani M, Siciliani G. Prog Orthod. 2006;7(2):164-74. - Evaluation of Palatal Bone Thickness for Insertion of Orthodontic Mini-Implants in Adults and Adolescents. Wang M, Sun Y, Yu Y, Ding X. J Craniofac Surg. 2017 Sep;28(6):1468-1471.

5:00 - 5:50 pm	Dr. Wellington J. Rody, Jr.		Stony Brook, New York, Wellington.Rody@stonybrookmedicine.edu	Affiliate reviewer #5
5:15 - 5:25 pm	Board meets with Guests about Affiliate requirements. Vice President leads discussion.			
6:30 pm	Motorcoach to George Eastman Museum (https://www.eastman.org)			
7:00 - 10:00 pm	George Eastman Museum Dinner & Tour - Partially sponsored by Propel Orthodontics			
7:00 - 7:15 pm	Introductions by Kathy Conner and Dr. Mike Spoon			
8:30 pm	Group photo of doctors in Conservatory (Elephant Room)			
10:00 pm	Motorcoach to Strathallan Hotel			

FRIDAY, APRIL 4, 2019				
7:00 - 7:45 am	Breakfast			
7:45 - 8:00 am	Session Chair #3: Dr. E. Dianne Rekow - Tenants Harbor, Maine - No scheduled break this morning.			
	<i>Presentation Title</i>	<i>Photo</i>	<i>Contact</i>	<i>Notes</i>
8:00 - 9:00 am	Dr. Heloisa A. Proenca, <i>Three-Dimensional Study of Different Skeletal Craniofacial Patterns from the 18th to the 21st Century in a Portuguese Population</i>		Beja, Portugal, heloisalvesproenca@hotmail.com	Affiliate Presentation for Membership #6. Sponsors: Coro/Velasquez Mike's Notes: - Secular changes in craniofacial morphology of the Portuguese using geometric morphometrics. Weisensee KE, Jantz RL Am J Phys Anthropol. 2011 Aug;145(4):548-59. - An Examination of the Differential Effects of the Modern Epidemiological Transition on Cranial Morphology in the United States and Portugal. Weisensee KE1, Jantz RL Hum Biol. 2016 Jan;88(1):30-37.

9:00 - 9:15 am	Dr. Eser Tufekci		Richmond, Virginia, etufekci@vcu.edu	Affiliate reviewer #6
9:15 - 10:15 am	Dr. Sumit Yadav, <i>Surgically Facilitated Orthodontic Tooth Movement</i>		Farmington, Connecticut, Yadav_sumit17@yahoo.com	Affiliate Presentation for Membership #7. Sponsors: Upadhyay/Nanda Mike's Notes: - Ability of mini-implant-facilitated micro-osteoperforations to accelerate tooth movement in rats. Cheung T, Park J, Lee D, Kim C, Olson J, Javadi S, Lawson G, McCabe J, Moon W, Ting K, Hong C. Am J Orthod Dentofacial Orthop. 2016 Dec;150(6):958-967. - Corticotomies and Orthodontic Tooth Movement: A Systematic Review Patterson BM, Dalci O, Darendeliler MA, Papadopoulou AK. J Oral Maxillofac Surg. 2016 Mar;74(3):453-73.
10:15 - 10:30 am	Dr. Richard D. Faber		Melville, New York, fabe43@aol.com	Affiliate reviewer #7
10:30 - 10:45 am	Break			
10:45 - 11:15 am	Dr. Un-bong Baik, <i>Second Molar Protraction and Impacted Third Molar</i>		Seoul, South Korea, baikub222@naver.com	Member presentation #3

11:15 - 11:30 am	Dr. Manuel O. Lagravere Vich		Alberta, Canada, manuel@ualberta.ca	Member reviewer #3
11:30 - 11:45 am	Board Meeting in hallway. Guests & Affiliate Members must leave.			
11:45 am - 12:15 pm	Membership Business Meeting #1			
12:15 pm	Adjourn			
12:30 pm	Spouses back to Strathallan Hotel			
1:00 - 1:30 pm	Motorcoach to Max of Eastman Place, http://maxrochesterny.com/max-of-eastman-place/			
1:30 - 3:30 pm	<p>Max of Eastman Place buffet luncheon Performance by Notes 'n Strokes</p> <ul style="list-style-type: none"> - Artist Lorraine Staunch (https://lorrainestaunch.com) painting to Bill Tiberio Band (http://www.billtiberioband.com) - Bill Tiberio, saxophone - Matt Bevan-Perkins, drums - Ted Perry, piano - Cesar Haas Costa, guitar - Sean Conlon, bass <p>- Paintings available for purchase from Lorraine</p>			
3:30 - 4:00 pm	Motorcoach to Strathallan Hotel			
4:00 - 6:30 pm	Break (possible time for spa treatment)			
6:30 - 7:00 pm	Motorcoach to Artisan Works, 565 Blossom Road, Rochester 14610, http://artisanworks.net			
7:00 - 7:45 pm	Cocktails at Artisan Works			
7:45 - 8:00 pm	Announcements			
8:00 - 11:00 pm	<p>Gala Dinner</p> <ul style="list-style-type: none"> - Music by Prime Time Funk, https://www.primetimefunk.com - Partially sponsored by American Orthodontics 			
11:00 pm	Motorcoach to Strathallan Hotel			

SATURDAY, APRIL 6, 2019

7:00 - 7:45 am	Breakfast			
7:45 - 8:00 am	Session Chair #3: Dr. Peter T. Bronsky – Vestal, New York			
	Presentation Title	Photo	Contact	Notes
8:00 - 8:30 am	Dr. Bing Fang, <i>Assessing the Influence of the Chin Asymmetry on the Perceived Facial Aesthetics with 3D Images</i>		Shanghai, China, ybraces_dr@hotmail.com	Member presentation #5
8:30 - 8:45 am	Dr. Kazunori Yamaguchi		Hiroshima, Japan, ykazumiyajima77@gmail.com	Member reviewer #5
8:45 - 9:15 am	Dr. Hyun-Duck Nah, <i>Sox2 Haploinsufficiency Rescues ESRP1 -/- Induced Cleft Lip and Palate in Mice</i>		Philadelphia, Pennsylvania, nah@email.chop.edu	Member presentation #6
9:15 - 9:30 am	Dr. Sunil Wadhwa		New York, New York, sw2680@columbia.edu	Member reviewer #6
9:30 - 10:00 am	Membership Business Meeting #2			
10:00 - 10:15 am	Adjourn			

Thanks to American Orthodontics and Kevin Hemenway (585-662-3404),
Senior Territory Manager, for financial support for this year's meeting.

www.americanortho.com



Thanks also to Propel Orthodontics and Brooks Buitta (781-217-5050),
Northeast Territory Manager, for financial support for this year's meeting.

<https://propelorthodontics.com>

