




SAVE THE 2021 DATES
SEPT. 9-11 | SEPT. 16-18

#AOPA2021

2021 AOPA National Assembly Technical Education Schedule

Updated June 8, 2021

Thursday, September 9, 2021	
7:00 a.m. – 7:00 p.m.	Registration and Information Desks Open
8:00 a.m. – 5:00 p.m.	Manufacturers Workshops’ Choose from over 30 workshops throughout the day featuring the newest products and latest technology, presented by leading manufacturers and suppliers from the O&P profession. Because manufacturers’ workshops are intense and often contain hands on learning experience, participation is limited to 50 participants per workshop.
8:00 a.m. – 5:00 p.m.	Business Certificate Programming (B1) <i>University of Hartford</i> Participate in the all new O&P Business Certificate program through AOPA and the University of Hartford. There is no cost to sign up—only for the individual courses. To complete your certificate, you will need to complete a core and elective module in four areas of learning. We are offering the core course for the finance module in conjunction with the Assembly. Learn more at www.AOPAnet.org
6:00 – 7:30 p.m.	Welcome to Boston Celebration Enjoy an evening of networking with your O&P colleagues while enjoying Boston Style refreshments. While we may not be ready for hugs and handshakes – we are all interested in seeing those creative fist and elbow bumps. The celebration is included in your full conference registration—bring a guest for a nominal fee.
Friday, September 10, 2021	
7:00 a.m. – 5:00 p.m.	Registration and Information Desks Open
7:30 – 8:00 a.m.	Breakfast
10:30 a.m. - 12:00 p.m.	Current Concepts in UCBL and SMO Care with Demonstration of a New Direct Foam Model Fabrication Method (P1/T1) <i>Gary Bedard, CO, FAAOP</i> <i>Dennis Janisse, CPed</i> We will review the indications for, and applications of UCBL's and SMO, with discussion of different pathologies, deformities and complications in need of these types of devices.

<p>12:00 – 1:30 p.m.</p> 	<p>Howard R. Thranhardt Award 25th Anniversary Celebration and Luncheon (C3) Join your colleagues for a celebratory lunch as we honor past and current Thranhardt Awardees.</p> <ul style="list-style-type: none"> • The Effect of Microprocessor Controlled Exo-Prosthetic Knees on Limited Community Ambulators: Systematic Review and Meta-Analysis • Treatment Parameters for the UCSF Pectus Carinatum Orthosis: A Pilot Study
<p>1:30 – 3:00 p.m.</p>	<p>Exhibition Take this opportunity to peruse the exhibit hall and see what new innovations have taken place over the past year.</p>
<p>3:00 - 4:00 p.m.</p>	<p>Human vs. Machine (T2) <i>Jeff Erenstone, CPO</i> <i>James Young, CP, FAAOP</i> Fred Flintstone vs. George Jetson Plaster Stains vs. Carpal Tunnel Syndrome Who will win? The "tried and true" or the newest tech? Come to the AOPA Assembly 2021 and find out. We will have a prosthetic fabrication discussion about the pros and cons of conventional care vs. the cutting-edge technology.</p>
<p>4:15 - 5:15 p.m.</p>	<p>Attachment and Finishing of Posterior Mounted Feet (T3) <i>Sam Hale, CPO</i> Learn about the bench alignment, transfer, and lamination of posterior mounted prosthetic feet. We will discuss and demonstrate tools and materials that simplify the process of foot attachment and foot cover fabrication.</p>
<p>5:15 - 6:00 p.m.</p>	<p>Noise Abatement (T4) <i>Mike Link, CP, RTP</i> Learn strategies to mitigate those pesky sounds to reduce the impact and increase device comfort for your patient.</p>
<p>Saturday, September 11, 2021</p>	

9:15 - 10:00 a.m.	<p>Advanced Vacuum Thermoforming with Prepreg Thermoplastic Composites (T5) <i>Gary Bedard, CO, FAAOP</i> Carbon infused polypropylene is a prepreg thermoplastic composite that is an upgrade substitution for the common plastic sheet materials currently utilized for vacuum thermoforming fabrication. The composite is the only prepreg compatible with drape encapsulation molding. The material offers a 25% increase in flexural modulus and eliminates the clinical creep shape change due to gait forces in lower extremity devices. The presentation will include material review, fabrication examples and reimbursement details.</p>
10:00 - 11:00 a.m.	<p>Dynamic AFO Fabrication for Posterior Strut (T6) <i>Scott Wimberley, RTPO</i> Learn new techniques while fabricating a dynamic AFO for posterior strut.</p>
11:00 a.m. - 12:00 p.m.	<p>FDM 3D Printing Workflow for Transtibial Diagnostic Sockets (T7) <i>Ahmad Najwa, CPOA, CPT</i> Learn the role of a technician in the transtibial 3D printing workflow. We will present CAD/CAM applications used to prepare the model for 3D printing using an FDM printer.</p>
Noon – 1:00 p.m.	<p>Lunch Join your colleagues in the exhibit hall for lunch and networking.</p>
1:00 – 5:00 p.m.	<p>Exhibition Take advantage of the final day of the exhibition. There is so much to see.</p>
3:00 - 4:00 p.m.	<p>State-of-the-Art and Future Perspective for the Testing of Lower-Limb Prosthetic Sockets (T8) <i>Andrea Giovanni Cutti, PhD, MEng, CPO</i> <i>Annalisa Franco, PhD</i> <i>Francesca Gariboldi, MEng</i> <i>Linda Guiducci, MEng</i> <i>Daniele Pasquarelli</i> <i>Ioana Maddalena Raileanu, MEng</i> <i>Gregorio Teti, MEng</i> We will present a systematic review about the mechanical testing of lower limb prosthetic sockets. Review the pros and cons of the available literature and hear suggestions for future research. Learn about a new software name “Socket Factory” for the digital assessment of limb and socket shapes.</p>

<p>4:00 -5:00 p.m.</p>	<p>Designing 3D Printed Upper Limb Prosthetic Devices - Overcoming Limitations and Strengthening Key Components (T9) <i>Nick Dechev, PhD, Peng</i> Michael Peirone The Victoria Hand Project (VHP) is a non-profit organization committed to the design and provision of upper-limb prosthetic care to amputees in developing countries and under-served communities, who have little/no access to prosthesis. VHP specializes in 3D-printed terminal devices, wrists, transradial sockets and harness, and has extensive knowledge of using 3D printing and 3D scanning technologies. We will discuss prosthetic-specific considerations when designing for 3D printing, the limitations of 3D printing, and different forms of rapid prototyping that can be combined with 3D printing, to strengthen key components for an overall smaller and stronger device.</p>
<p>5:00 - 6:00 p.m.</p>	<p>Current Concepts and Case Studies in 3D Printing of Definitive Devices (T10) <i>Dustin Kloempken</i> <i>Mike Nunnery, CPO</i> <i>Paul Macy, MS, CPO</i> <i>W. Brent Wright, CP, BOCO</i> Receive an update on current concepts while learning from case studies when utilizing 3D printing in device fabrication.</p>
<p>September 16-18, 2021</p>	
<p>8:00 a.m. – 5:00 p.m. Daily</p>	<p>Don't forget that the education program will be presented September 16-18 and then available for 90 days thereafter.</p>