

Ohio Chapter -- AAOP
2011 Annual Spring
Workshops
and
Spring Technical Meeting
April 15-16, 2011

*Hilton Hotel
at Easton Town Center
Columbus, Ohio*

The Ohio Chapter-AAOP 2011 Annual Spring Technical Meeting

*April 15-16, 2011
Hilton Hotel—Columbus*

~ ~ ~ Program ~ ~ ~

*Saturday
Registration
and
General
Sessions*

7:30 – 8:45..... Registration, Continental Breakfast and Exhibit Hall

7:30–8:15..... Journal Club (Prosthetics)

Facilitator: Mark Shamp, CP
Shamp Bionics

8:30 – 8:45..... Opening Remarks

Mark Shamp, CP, Ohio Chapter President
Shamp Bionics

8:45 – 9:45..... Chin Up... or Chin Down

Darren "Swifty" Swift
Amputees in Action—Newberry, UK

**9:45 – 10:15..... Challenges and Solutions for Lower Limb Blast
Wound Injuries**

Peter Harsch, CP
Naval Medical Center — San Diego, CA

10:15 – 10:45..... Break/Exhibits

10:45 – 11:30..... Sensortech Zebra-Pressure Mapping System

Randy Kelly
SensorTech—Greenville, SC

11:30 – 12:15..... Virtual Reality Rehabilitation for Amputees

Maurissa D'Angelo, Ph.D.
Pinnacle Systems, LLC—Dayton, OH

12:15 – 1:15 Lunch/Exhibits and Annual Business Meeting

Spring Program

Four Saturday Breakout Sessions, to include:

Product Development: Broadening Capabilities of Harmony® Mechanical Pumps in Sub-atmospheric Socket Systems with a Vacuum Pressure Bleeder Valve

Brad Poziembo
Dayton Artificial Limb—Dayton, OH

Novel Applications of Virtual Reality to Rehabilitation Care

Maurissa D'Angelo, Ph.C.
Pinnacle Systems, LLC —Dayton, OH

Custom Engineering of Energy-Storing Partial Foot Prostheses Utilizing Pre-Preg Carbon Fiber

Noel Chladek, CO
Bio-Mechanical Composites, Inc.—Des Moines, IA

Improved Outcomes Using a New Free Motion KAFO for Treatment of Blounts Disease vs. Traditional Locked Knee Designs

Joseph Whiteside, CO
Anatomical Concepts, Poland, OH

Prosthetics- Custom Engineered Energy Storing Partial Foot Prostheses with Pre-Preg Carbon Fiber

Noel Chladek, CO
Bio-Mechanical Composites, Inc.—Des Moine, IA

Lower Limb Shaping, Finishing, and Cosmetics

Matt Williams / Bob Beatty
Ohio Willow Woog—Mt. Sterling, OH

Applications on Spectra-carb

Jennifer Fayter
Comfort Products, Inc.—Croydon, PA

Friday Workshops April 15, 2011

8:00 AM -- 5:00 PM..... Otto Bock Basic Myo Course: Blended-Learning
Tim Shride, CPO--Otto Bock Healthcare

9:00 AM -- 5:00 PM..... Custom Engineering of Energy-Storing AFO's and Partial
Foot Prostheses utilizing Pre-Preg Carbon Fiber
Noel Chladek--Bio-Mechanical Composites, Inc.

9:00 AM -- 12:00 PM Management of Severe OA of the Knee using
Customized Off Loading Knee Orthoses
Joe Whiteside, CO--Anatomical Concepts

Note: Space is limited, indicate your preference on registration form.

Friday, April 15, 2011

Ohio Chapter--AAOP

2011 Annual Spring Meeting Workshops

Presents

Three Exciting New Workshops for Your Professional Development

8:00 AM -- 5:00 PM.....Otto Bock Basic Myo Course: Blended-Learning
Tim Shride, CPO--Otto Bock Healthcare

***9:00 AM -- 5:00 PM.....Custom Engineering of Energy-Storing AFO's and Partial
Foot Protheses Utilizing Pre-Preg Carbon Fiber***
Noel Chladek--Bio-Mechanical Composites, Inc.

***9:00 AM -- 12:00 PM.....New Lower Extremity Designs, Clinical Applications and
Coding Suggestions to Capture Market Share***
Joe Whiteside--Anatomical Concepts

Otto Bock Basic Myo Course: Blended-Learning

Tim Shride, CPO

This is a two-day course with day one being a self-directed on-line course, and day two being a seated in-person workshop. Material to be covered on-line includes basic myoelectric theory; signal detection; patient evaluation and testing philosophy; criteria for appropriate selection and application of digital vs. proportional technology; function and benefits of microprocessor use in modern myoelectric systems; component selection and programming options. The day-1 on-line course is a prerequisite to participation in the day-2 workshop, and will include an examination as proof of participation. Estimated time to complete the on-line course is 5-hours.

Day two of this course will be a seated 8-hour workshop designed to reinforce the material presented on-line. Attendees will have the opportunity for hands-on usage of all systems and components introduced in the on-line portion of the course. This course will cover myotesting, evaluation, component selection, training and documentation utilizing the PAULA Virtual Training Software and MyoBoy hardware. We will also discuss the clinical appropriateness of the Digital vs. DMC+, SensorHand Speed, MyoHand VariPlus Speed; Greifer and Transcarpal Hand terminal devices. Attendance at the course

as well as clinical application will promote a level of minimum competency in applying this technology.

Learning Outcomes

- Understand basic myoelectric principles including physiology of EMG, signal detection and amplification, evaluation philosophy.
- Utilize suggested protocol for determination of appropriateness of prosthetic type ie cable operated or myoelectric.
- Understand clinical criteria for application of different myoelectric technologies ie digital or proportional systems
- Evaluate a patient for appropriate myoelectric control
- Understand how microprocessors have improved patient outcomes.
- Apply myoelectric/hybrid systems to levels of amputation from Transcarpal to Shoulder disarticulation.

Needs Identification

It has been recognized that there have been many advances in the field of upper limb myoelectrics. Batteries have improved, circuitry is more sensitive, hands can take over more function for the amputee, more levels can be fit etc. These changes will bring better functioning to amputees who currently use a myoelectric prosthesis as well as the possibility of fitting to those who previously were not a candidate.

About the Presenter:

Tim Shride, CPO is a Clinical Specialist – Upper Limb Prosthetics for Otto Bock. His responsibilities include teaching introductory and advanced courses on externally powered technology, and developing educational materials for Otto Bock Professional Clinical Services Department. Prior to joining Otto Bock, he was in clinical practice in New England and the Pacific Northwest. He is a graduate of the University of Washington with a BS in Prosthetics and Orthotics, and a current member of the Board of Directors for the Northwest Chapter of AAOP.

Custom Engineering of Energy-Storing AFO's and Partial Foot Prostheses Utilizing Pre-Preg Carbon Fiber

Noel Chladek, CO

Full one day attendance of am and pm sessions will qualify attendees as completing Phase I of II in achieving Certification as a “Dynamic Response Systems Specialist.” Course content includes review of lower extremity anatomy involved in AFOs and Partial Foot prosthetic fittings, kinesiology, biomechanics, pathologies specific to appropriate candidates, principles of pre-preg carbon fiber, dynamic response functional characteristics, orthotic and prosthetic applications and observation of patient model casting and fitting. Emphasis is placed on critical instruction of patient positioning, cast corrections, heel heights and wedging techniques specific to this design.

About the Presenter:

Noel J. Chladek, CO is a second generation orthotist with his own private practice in Des Moines, Iowa. After serving in the US Army, he attended Shelby State University and became ABC Certified in 1994. Early in his career, he was motivated by a lack of custom orthotic designs incorporating 21st century materials used by the aeronautical and space industries. These had been introduced into the sister prosthetic industry in the 1980s. He developed a unique fabrication system, strictly adhering to FAA specifications, incorporating pre-preg carbon fiber into his lower extremity orthotic devices. These thin,

ultra-light weight, custom engineered orthoses demonstrated energy storing capabilities with a dynamic response. Over the last 11 years, he established a national, specialized fabrication center dedicated to the science of incorporating carbon pre-preg into custom orthotics and prosthetics. He has presented at National, Regional and State meetings as well as private, small group tutorials.

New Lower Extremity Designs, Clinical Applications and Coding Suggestions to Capture Market Share

Joe Whiteside, CO

Having lower extremity orthotic designs that are new, multifunctional, practical to apply, and cost effective, maximizes the practitioners efforts in todays challenging health care arena. This workshop will engage you, the practitioner in the review of current literature, the associated natural history and or pathophysiology to enhance the end results for your patients. Orthotic considerations, design alternatives, current trends and associated functional outcomes will be compared. Stroke, TBI, MS, CP, Diabetes, Osteoarthritis, and general musculoskeletal injuries are the primary etiologies of the workshop. An overview of current L coding and CMS policy will also be covered specific to suggested L codes for lower extremity designs.

About the Presenter:

Joe Whiteside is happily married and the proud father of two beautiful daughters. Before joining Anatomical Concepts Inc. as V.P. of Marketing and Clinical Director of R and D in October of 2009, he was a full time practitioner. After attending Northwestern Universities Orthotics Certificate Program in 1983, he was certified as an ABC Orthotist and is licensed in the State of Ohio. He began practicing in Phoenix Arizona, and then relocated in 1992 to Warren Ohio to start an O and P practice. Acquired by Hanger Prosthetics and Orthotics in 2002, he was based in Boardman Ohio as Clinical and Resident Director of Orthotics until his resignation in October of 2009. He is Past President of the Ohio Orthotic and Prosthetic Association. Joe has presented internationally, nationally, regionally and locally on various orthotic subjects.

**Exhibitors' Reception
Friday Evening, April 15th at 6:00 PM
Entertainment by**

“Bourbon Dan and the Chasers” (featuring Ohio's own Jeff Denune)

Workshops Registration Form

4/15/11

Certification: _____ Ohio Chapter Member ID# _____

Name: _____ Name for Name Badge: _____

Company Name _____

Street or P.O. Number: _____

City: _____ State: _____ Zip: _____

Phone: _____ E-mail: _____

<i>Workshop Selections:</i>	No. Attend. *	Member	Nonmember	Total
Otto Bock				
Otto Bock Basic Myo Course (provides certification) ** (1-day online; 1-day classroom)				
_____	\$150 <input type="checkbox"/>	\$200 <input type="checkbox"/>	\$ _____	
Biomechanical Composites, Inc.				
Pre-Preg Carbon Fiber (provides certification) (1-day classroom)				
_____	\$50 <input type="checkbox"/>	\$75 <input type="checkbox"/>	\$ _____	
Anatomical Concepts				
New Lower Extremity Designs (½ day classroom -- morning)				
_____	\$25 <input type="checkbox"/>	\$50 <input type="checkbox"/>	\$ _____	
Total =		_____	\$ _____	

* For additional attendees please attach list of names with certifications.

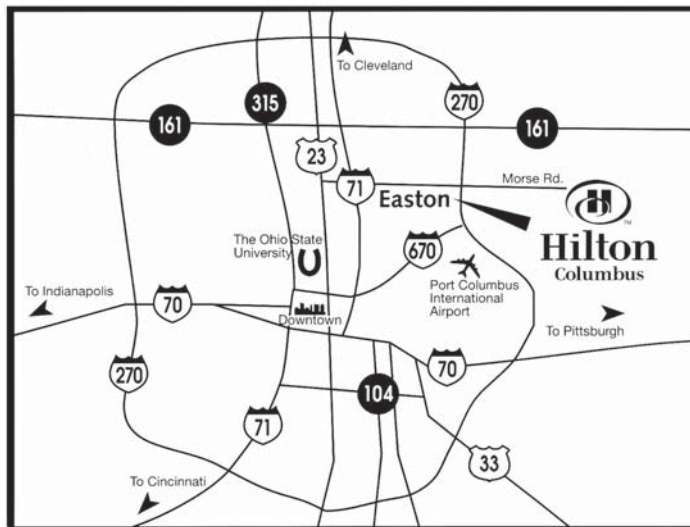
** Attendance to the MyoBock Workshops is limited to 12. Registrations for this workshop are offered on a first-come, first-served basis. When the workshop is filled, registrations will no longer be accepted. Deadline for receipt of registrations for this workshop is 3/26/11.

Please return a copy of this page with registration form.



Hilton Columbus

Hilton Columbus
3900 Chagrin Drive
Columbus, Ohio 43219



Accommodations

The Hilton Columbus is located in the new Town Center at Easton, a shopping, dining and entertainment center just 3 miles from Port Columbus International Airport and 10 minutes from downtown.

The room block cut-off is April 4, 2011. Although there will likely be rooms available at regular rates after that, make your reservations early and ask for the Ohio Chapter room rate of \$179.

If you have any questions regarding the meeting, please call the Chapter state office at (614) 659-0197.

You may also choose to register online at www.ohiochapteraaop.com

Meeting Registration Form

(For additional names, please copy this form, or attach list)

For Member Rate Please Enter Ohio Chapter Member ID #

Member ID # input field

Name: _____ Company: _____

Address: _____ City: _____ State: _____ Zip: _____

Phone: () _____ Fax: () _____ E-mail: _____

Current Certifications (include cert. #): _____ ABC _____ C.Ped. _____ BOC _____

1) Friday Workshop Registration:

- Myobock Course Biomechanical Course Anatomical Concepts Course

No. to register () Total = \$ _____

2) Saturday Meeting Registration: (Before 4/8/11) (After 4/8/11) (At the door)

Member, Ohio Chapter AAOP * = \$145 \$155 \$165 \$ _____

Non-member = \$225 \$245 \$275 \$ _____

Total = \$ _____

3) Saturday Breakout Session Selection (Check one only):

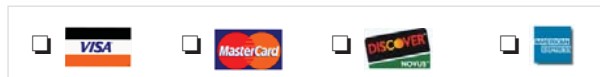
- Orthotic Prosthetic Pedorthic Technical

4) Exhibitor's Reception with "Bourbon Dan and the Chasers" (featuring Ohio's own Jeff Denune)

Friday Evening 4/15/11 - 6:30 PM

- Will attend Will not attend

Payment by Credit Card



Amount: to be charged \$ _____

Card Number: _____ Exp. Date ____ / ____ CVVCode* _____ Mo. Yr.

Print Card holder's Name: _____

Signature: _____

* Card Verification Value Code

Registration includes: Admittance to sessions and exhibits, continental breakfast, lunch, breaks and Friday evening reception.

To Pay by check, make check payable to: Ohio Chapter, AAOP, and mail with registration form to:

Ohio Chapter, AAOP
PO Box 3188
Dublin, OH 43016-0088

Note: 10% discount if registering five or more from same location

* If you are a current member of the Ohio Chapter, your ID # will appear on the address portion of your envelope. If no number appears, you are not a current member. Please call 614/659-0197 for further information.

Cancellation Policy: Full refunds, minus a 10% processing fee, will be provided up to 4/8/11. Cancellations must be in writing to be eligible for refund.

PCE's Applied for

Exhibitors

ACOR Orthopaedic, Inc.
ALPS South Corporation
American Board for Certification in
Orthotics, Prosthetics and Pedorthics
Anatomical Concepts, Inc.
Apis Footwear
Becker Orthopedic
Bulldog Tools, Inc.
College Park Industries (CPI)
Comfort Products, Inc.
DAW Industries, Inc
Dr. Comfort
Endolite North America, Ltd.
Fillauer Companies, Inc.
Freedom Innovations, LLC
Jerry Miller Shoes
JMS Plastics Supply, Inc.
Knit-Rite, Inc.
MatPlus, Inc.
Maximum Mobility, Inc.
MedStaffPlus, Inc.
O & P Digital Technologies -- OPIE Software
Ohio Willow Wood Co.
OPGA
OPTEC, Inc.
OSSUR Americas, Inc.
Otto Bock HealthCare
PEL Supply Company
PMT Corporation
Premier O&P Fabrication
Prosthetic Design, Inc. (PDI)
Prosthetics Research Specialists, Inc.
Restorative Care of America, Inc.

Southern Prosthetic Supply, Inc. (SPS)
Spinal Solutions, Inc.
Spinal Technology, Inc.
ST&G
The Bremer Group Company
Trulife
U. S. Orthotics, Inc.
WBC Industries Inc.

