

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



Hilton Hotel
at Easton Town Center
Columbus, Ohio

WillowWood™

Increase your patient's range of motion and provide more natural movement with the Fusion™ Foot and Torsion Receiver.

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The Ohio Chapter-AAOP

Facilitators: Mark Shamp, CP, LP—Shamp Bionics—Akron, OH
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David Garcia, L.P., L.Ped—Manuel Garcia Prosthetic and Orthotic Centers—
Cleveland, OH

Brad Poziembo—Dayton Artificial Limb—Dayton, OH

Maurissa D’Angelo, Ph.D., Principal Engineer, Pinnacle Systems, LLC
—Beavercreek, OH

Craig Mackenzie—Evolution Industries, Inc.—Orlando, FL

Robert Meier, CO, BOCO, National Education Director, Allard, USA
—Rockaway, NJ

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

Joseph Whiteside—Anatomical Concepts—Poland, OH

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

Robert Meier, CO, BOCO, National Education Director, Allard, USA
— Rockaway, NJ

John Mehnert, D.P.M., Wilmington Foot & Ankle—Wilmington, OH

Pamela Haig, President, The Robert M. Palmer, MD Institute of Biomechanics
—Elwood, IN

Jim McFarland, C.Ped, L.Ped, McFarland's Shoe Repair and Orthopedics
—Lakeland, FL

Matt Williams / Bob Beatty, Willow Wood Co.—Mt. Sterling, OH

Carrie Melton, CPO, LPO, Clinical Director of Prosthetics, OrPro Prosthetics &
Orthotics, Inc.—Dayton, OH

Malcolm Owen, Technical Service & Product Specialist, Endolite—Centerville, OH

friday workshops

Otto Bock Basic Myo Course; Blended-Learning

Tim Shride, CPO, Clinical Specialist – Upper Limb
Prosthetics
*Otto Bock HealthCare – Professional &
Clinical Services – Minneapolis, MN*

Learning Outcomes

This is a 2-day course with day 1 being a self-directed on-line course, and day 2 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.

Needs Identification

Day 2 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* *MyoBoy*

*Digital DMC+,
SensorHand Speed MyoHand VariPlus Speed Greifer
Transcarpal Hand*

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

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

*Pre-Preg Carbon Fiber
Phatbraces*

**Improved Outcomes Using a
New Free Motion KAFO for
Treatment of Blount's Disease vs.
Traditional Locked Knee Designs**

Joe Whiteside, CO, V.P. of Marketing and Clinical
Director of R & D
Anatomical Concepts — Poland, OH

**saturday morning
general sessions:**

Journal Club

Mark Shamp, CP, LP, President, Ohio Chapter—AAOP
Shamp Bionics — Akron, OH

WillowWood Co.

Research
to Clinical Practice: O&P Builds the Bridge

Chin Up... or Chin Down

Amputees in Action — Newbury,

**SensorTech Zebra-Pressure
Mapping System**

SensorTech — Greenville, SC

**Challenges and Solutions for
Lower Limb Blast Wound Injuries**

Naval Medical Center — San Diego, CA

Virtual Reality Rehabilitation for Amputees

Pinnacle Systems, LLC — Beavercreek, OH

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

Dayton Artificial Limb — Dayton, OH

afternoon breakouts prosthetic sessions

Prosthetic Application of SpectraCarb Stockinette

*Manuel Garcia Prosthetics Lab, Inc. —
Strongsville, OH*

Novel Applications of Virtual Reality to Rehabilitative Care

Pinnacle Systems, LLC — Beavercreek, OH

afternoon breakouts
orthotic sessions

A New Approach to Orthotic Management of Achilles Dysfunctions

Allard USA — Rockaway, NJ

Introduction

Working with VASS

Evolution Industries, Inc. — Orlando, FL

Methods:

Results

Discussion

Conclusions

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

Anatomical Concepts — Poland, OH

**Energy Storing and
Proprioceptive Balancing
Characteristics in Pre-Preg
Carbon Fiber AFO's**

*Bio-Mechanical Composites, Inc. — Des
Moines, IA*

**afternoon breakouts
pedorthic sessions**

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

*Bio-Mechanical Composites, Inc. — Des
Moines, IA*

**Alternative Uses for Carbon
Composite AFOs**

Allard USA — Rockaway, NJ

**Foot Problems Associated
with Diabetes**

Wilmington Foot & Ankle — Wilmington, OH

**Dual Axis and Triaxial Advanced
Posting - Clinical Trials for
Chronic and Unresolved
Pathologies; PTTD**

*The Robert M. Palmer, M.D. Institute of
Biomechanics — Elwood, IN*

**afternoon breakouts
technical sessions**

**Material Identification and
Bonding External Modification**

*McFarland's Shoe Repair and Orthopedics —
Lakeland, FL*

Journal USA Today Money Magazine *Wall Street*

**Transfemoral Cosmetic Foam
Shapes and Covers**

Willow Wood Co. — Mt. Sterling, OH

**Endolite Service and
Maintenance: Propose Training
to Technical staff**

Endolite – Centerville, OH

**Bridging the Gap: Clinical and
Technical Communications**

*OrPro Prosthetics & Orthotics, Inc. – Dayton,
OH*



Exhibitors

ACOR Orthopaedic, Inc.

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The new Plié 2.0 features an advanced hydraulic system with cutting edge microprocessor control of both swing and stance that reacts to ambulatory stimuli in 10 milliseconds. As the most responsive MPC knee, the Plié 2.0 provides amputees with a more natural experience of mobility. Plus, an array of innovative features deliver increased reliability and durability over a broad spectrum of activities.

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APRIL 13-14, 2012

Ohio Chapter, AAOP

2012 Annual Fall
Scientific Meeting

*Hilton Hotel at Easton Town Center
Columbus, OH*
