

CONFERENCE CHAIR

Matthew Garibaldi, MS, CPO
Associate Clinical Professor
University of California, San Francisco

ASSOCIATE CHAIR

Chrysta Irolla, MS, MSPO, CPO
Clinical Manager
UCSF Mission Bay Hospital/Gateway Medical Center

**FRIDAY, MAY 11, 2018**

7:30 – 8:00 am Registration and Continental Breakfast

8:00 – 8:15 Opening Remarks and Introduction

Matthew Garibaldi, MS, CPO
University of California, San Francisco

INNOVATIVE CARE MODELS

8:15 – 8:45	LimbForge: A Scalable System for Person-Centered Prosthetics	Andreas Bastian, Engineer Autodesk/LimbForge
8:45 – 9:15	Ability Prosthetics and Orthotics: A Patient Centric Care Model	Eric Shoemaker, MS, CPO Ability Prosthetic & Orthotic
9:15 – 9:45	The Role of Athletic Trainers in Clinical Practice	Tim Baldwin, MA, ATC, Cfo University of California, San Francisco
9:45 – 10:15	The Role of Money in Orthotics and Prosthetics	Sean Zeller, MBA, MSPO, CPO University of Rochester
10:15 – 10:45	Panel Discussion	

10:45 – 11:15 Morning Session with Exhibitors / Break

KEY NOTE ADDRESS

11:15 – Noon The Renaissance in Prosthetics & Orthotics

Sir Saeed Zahedi, PhD, OBE, RDI, FRAEng
Chas A Blatchford & Son

Noon – 1:00 Lunch

3D PRINTING IN O&P

1:00 – 1:30	Printing Prostheses and Assistive Devices	Evan Kuester, Designer 3D Systems
1:30 – 2:00	The Digital Practice: 2018 & Beyond	Jeff Huber, Co-Founder, CEO Standard Cyborg
2:00 – 2:30	Development of an Affordable, Multifunctional, Upper-Limb Prosthesis with 3D Printing and Scanning Technologies	Nikolai Dechev, PhD, PEng University of Victoria
2:30 – 2:55	Panel Discussion	

2:55 – 3:25 Afternoon Session with Exhibitors / Break

ADVANCEMENTS IN UPPER EXTREMITY PROSTHESES

3:25 – 3:50	Why the FDA Interest in Patient Preference?: Weighing Risks and Benefits of Prosthetics	Leslie Wilson, PhD University of California, San Francisco
3:50 – 4:15	Upper Limb Prosthetic Research at Liberating Technologies / College Park: Control, Mechanisms, Sensors, and Training	Todd Farrell, PhD, Director of Research Liberating Technologies / College Park
4:15 – 4:40	Finger-by-Finger Control of Prosthetic Hands Using Ultrasound Sensing	Gil Weinberg, PhD Georgia Institute of Technology
4:40 – 4:55	Panel Discussion	

4:55 – 5:00 pm Closing Remarks

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Presented by the UCSF Department of Orthopaedic Surgery, Division of Orthotics and Prosthetics, this conference aims to foster emerging technologies that can advance patient care and have a transformative impact on the field of orthotics and prosthetics.

SATURDAY, MAY 12, 2018

7:30 – 8:00 am Registration and Continental Breakfast

8:00 – 8:15 Conference Remarks

Matthew Garibaldi, MS, CPO
University of California, San Francisco

EXOSKELETON DESIGN

8:15 – 8:45	Does Powered Assistance Improve Gait in Children with Cerebral Palsy?	Zachary Lerner, PhD Northern Arizona University
8:45 – 9:15	Human-in-the-Loop Optimization of Powered Orthosis Design	Steven H. Collins, PhD Stanford University
9:15 – 9:45	Powerful and Affordable Exoskeletons	Tim Swift, PhD, Co-Founder, CEO Roam Robotics
9:45 – 10:15	Soft Robotic Exosuits for Gait-Restorative Assistance and Rehabilitation After Stroke	Lou Awad, PT, DPT, PhD Boston University / Harvard University Spaulding Rehabilitation Hospital
10:15 – 10:40	Panel Discussion	

10:40 – 11:10 Morning Session with Exhibitors / Break

AOPA UPDATE

11:10 – 11:40 AOPA Initiatives: On the Horizon and Beyond

Ashlie White, MA, Manager of Projects
American Orthotic and Prosthetic Association

11:40 – 12:40 pm Lunch

NEURAL FEEDBACK AND INSTRUMENTATION

12:40 – 1:05	Dynamic Scoliosis Bracing	Sigurd Berven, MD University of California, San Francisco Jamie Haggard, CEO Green Sun Medical
1:05 – 1:30	Walking Performance in Persons With Transtibial Amputation Using a Powered Prosthesis with Typical Clinical Tuning	Jeff Wensman, CPO University of Michigan
1:30 – 1:55	Perceptual Integration of Illusory Kinesthetic Sensation in Bionic Prosthetic Hands	Jonathon Schofield, MSc, PhD Courtney Shell, MS, PhD Cleveland Clinic
1:55 – 2:20	Enhancing Biomechanics of Prosthetic Walking with the Powered Transfemoral Prosthesis	Pilwon Hur, PhD Texas A & M University
2:20 – 2:45	Panel Discussion	

2:45 – 3:15 Afternoon Session with Exhibitors / Break

OSSEOINTEGRATION CLINICAL TRIAL AT UCSF

3:15 – 3:40	Osseointegration Surgical Techniques and Preliminary Research Findings at UCSF	Rosanna Wustrack, MD University of California, San Francisco
3:40 – 4:05	Rehab Considerations for the OPRA Implant System	Rami Weinberg, PT, DPT, OCS, CSCS University of California, San Francisco
4:05 – 4:30	Transfemoral Percutaneous Osseointegration OPRA Implant System – Prosthetic Considerations	Matthew Garibaldi, MS, CPO University of California, San Francisco
4:30 – 4:55	Panel Discussion	

4:55 – 5:00 pm Closing Remarks

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