



Living in the Material World

2017 IAA Conference Program Outline – As of May 11, 2017

Note: Schedule is Subject to Change.

31ST Annual Educational Conference

June 14 – June 17, 2017

Minneapolis, Minnesota, USA

Enhancing understanding of how the materials we choose to design and fabricate facial and somato prosthetics directly affect the lives of our patients. Enhancing understanding of how our capabilities empower our patients to be positively perceived in a world focused on beauty and perfection.

Wednesday - June 14, 2017

9:00 am – 5:00 pm Exhibitor Set up

9:00am – 12:00pm Offsite Pre-Conference Program at Medical Device Center at the University of Minnesota (AM Program)

Idea Actualization: Drawing on Digital Resources to Develop an Innovative Product or Device

The morning workshop will focus on the comprehensive workflow for medical device creation, from conception to fabrication, that has been developed by the Medical Device Center (MDC) at the University of Minnesota. We will begin with a tour of the facility and labs including 3D scanning, printing, and virtual reality equipment. We will learn about products that the MDC has developed through collaboration between various researchers and specialists.

Taking inspiration from the MDC's methods, participants will then workshop the development of an innovative device, methodology, or service of our own, broadening the scope of our project to include resources that are available to any anaplastologist. As a group or in small groups, we will define a product, and outline all actions and resources necessary to actualize that product. We will include information about working with local 3d printing and scanning bureaus, joining maker collectives, and using freeware software to modify digital files. During the workshop, we will also touch on important questions, such as project justification, major objectives, and project sponsorship.

12:00pm – 1:00pm Lunch for Attendees of Offsite Workshop

1:00pm – 4:00 pm Offsite Pre-Conference Program at Medical Device Center at the University of Minnesota (PM Program)

Face Transplant Donor Restorations

From the experiences of the anaplastology and transplant teams who worked on the first face transplant done at the Mayo Clinic in Rochester, Minnesota, this hybrid workshop will inspire anaplastologists to implement donor restoration services into their practices.

Meg Rogers, the Director of Transplant Center Relations will first speak to the group about the fascinating and life-giving world of organ procurement and will show the in-depth process that lead to the June 2016 Mayo Clinic face transplant, including the requirements, goals, and outcome of the donor restoration LifeMask. Gillian Duncan and Michaela Calhoun will follow by explaining the process they developed over a two year period for the design and fabrication of the LifeMask as well as their involvement with a local hand transplant team.

Goals of the workshop:

- To learn about developing a partnership between the anaplastologist, transplant team, and organ procurement agency
- To participate in a hands-on exercise using the techniques developed by Duncan and Calhoun to create mini LifeMasks. Each participant will leave with a small kit of materials that they can take home and continue to experiment with in order to incorporate the technique into their own workflow.

5:00 pm – 5:30 pm Poster Set Up

6:30 pm – 8:00pm **Welcome Reception and Poster Session**

Thursday - June 15, 2017

Scientific Session and Workshop: Day 1

7:15 am – 8:00 am	Light Breakfast for All Attendees
8:00 am – 8:05 am	President's Welcome
8:05 am – 8:15 am	Welcome
8:15 am – 8:55 am	KEYNOTE - <i>Saving Faces</i> with Mark Gilbert, Ph.D. and patient James E. Van Arsdall, Ph.D.
9:00 am – 9:15 am	Living in the Material World: the Anaplastology Experience of Patients with Vision Loss, Michaela Calhoun, MS, CCA
9:20 am – 9:35 am	High Definition 3D Models for Maxillofacial Rehabilitation from a Mobile Device and Free Software, Rodrigo Salazar Gamarra, DDS
9:40 am – 9:55 am	The Many Facets of an STL File, Juan R. Garcia, MA, CCA
9:55 am – 10:20 am	Coffee Break in Exhibit Area
10:20 am – 10:35 am	The Science of Clinical Lighting for Accurate Color Matching, Paul Tanner, CCA
10:40 am – 10:55 am	Total Mandibular Defect Reconstruction with Nobel Zygomatic Implants Supported Lower Face Prosthesis, Artavazd Kharazyan
11:00 am – 11:40 am	KEYNOTE - Facing the World: the Psychosocial Effect of Facial Disfigurement, Marissa Suchyta
11:45 am – 12:05 pm	Panel Discussion of Morning Presenters
12:05 pm – 12:45 pm	IAA Box Lunch & Legislative Update
12:45 pm – 12:55 pm	Announcements
1:00 pm – 3:00 pm	Sponsor Learning Workshops – <i>free attendance</i>
3:30 pm – 6:00 pm	IAA Optional Social Outing – Race Minneapolis! Not content to casually stroll the city and take in the sights? Then, this optional activity was made for you! Join us for Race Minneapolis – designed especially for IAA attendees. You will be divided into teams to compete as your race around the city to obtain a list of items. Expect the unexpected and be creative! And be timely, or be terminated, because the last team to the finish line may be eliminated!

Friday - June 16, 2017

Scientific Session and Workshop: Day 2

- 7:30 am – 9:00 am IAA Business Meeting & Membership Breakfast – *Members Only*
- 7:30 am – 9:00 am Light Breakfast for All Attendees
- 9:00 am – 9:05 am Announcements
- 9:05 am – 9:45 am KEYNOTE - Venu Varanasi, Ph.D., Texas A&M University Baylor College of Dentistry
- 9:50 am – 10:05 am Open Abstract
- 10:10 am – 10:25 am Bioengineering and 3D Printing Hybrid Materials for "Smart Prosthetics" and Bio-Integrated Devices - Michael McAlpine, Ph.D., University of Minnesota
- 10:30 am – 10:55 am Coffee Break in Exhibit Area
- 10:55 am – 11:10 am Evaluation of a Digital Workflow: Treatment Planning, Simulation, and 3D Printing, Amanda Behr, MA, CMI, CCA, FAMI & Shawn McLeod
- 11:15 am – 11:30 am The Antibacterial Properties of Silicone Lining Materials, Incorporated with Quaternary-Ammonium Polyethyleneimine (PEI) Nanoparticles - Can It Improve Our Silicone Prostheses? Anat Sharon
- 11:35 am – 11:50 am The Use of 3D Technology to Scan a Facial Defect, Design the Prosthesis and Print the Final Investment Casts, Denise VeyVoda, MA, DDS, FAAMP
- 11:55 am – 12:10 pm Nasal Prosthetic Anatomic Retention: A Safe and Practical Approach, Eric S. Asher, MAMS
- 12:15 pm – 1:45 pm Lunch on Your Own
- 12:15 pm – 1:15 pm New IAA Board Meeting
- 1:45 pm – 1:55 pm Announcements & Thank You to Sponsors
- 2:00 pm – 2:15 pm Open Abstract
- 2:20 pm – 2:35 pm Coffee Break in Exhibit Area
- 2:40 pm – 3:10 pm Panel Presentation – The Future of Anaplastology around the World, Moderated by Suzanne Verma, MAMS, CCA
- 3:15 pm – 3:30 pm Closing Remarks
- 6:00 pm – 9:00 pm **IAA Banquet: 80s Rewind**
Break out your best eighties because we're turning back the clock for a TOTALLY AWESOME night. Dust off your leg warmers and tease up your hair at the McNamara Alumni Center for the Annual IAA Banquet!