



from Program Chair Dr. John A. Sorensen



Advancing New Frontiers In Prosthodontics

Dear Academy Fellows and guests-

The Covid-19 pandemic has radically effected our daily professional and personal lives. This has also profoundly affected our traditional annual session. The foundation of our Academy meetings are the scientific sessions combined with the fellowship and social interaction that occurs during the meeting and social occasions. I so miss seeing all of you as we unimaginably enter the second year of no face-to-face meeting.

Despite being a virtual format, we believe that the Academy will deliver an exceptional 2021 annual session. We have drawn on a significant contingent of our world-class Academy Fellows as well as experts from academics, dental technology, various specialties and industry, all aimed at advancing our knowledge base, promoting intellectual discourse, inspiring clinical excellence and looking to the future.

Our folks at RES found an outstanding virtual platform company that provides many features to help us create a more live and interactive experience despite being virtual meeting. Consistent with our Academy of Prosthodontics traditional meetings of scientifically based presentations and intellectual dialogue, live Q&A sessions will follow each presentation. Attendees are encouraged to submit questions to the moderator during presentations.

Compelled by time constraints we have reduced our meeting length from the traditional 4 days to a 2-day virtual format and focused on 3 subject areas:

Day 1

Translating New Frontiers In Technology & Science Into Patient Treatment

I was fortunate to see our keynote speaker Professor Joseph DeSimone present the Rushmer Lecture at our UW Bioengineering School in 2015. He was the Chancellor's Eminent Professor of Chemistry at the UNC Chapel Hill, and the Kenan, Jr. Distinguished Professor of Chemical Engineering at NCSU and of Chemistry at UNC.

It was probably the most fascinating lecture I have seen in decades. With over 4 million views, DeSimone's TED2015 talk on *What if 3D printing was 100x faster?* introduced his group's revolutionary technology development.

(https://www.ted.com/talks/joseph_desimone_what_if_3d_printing_was_100x_faster)

In 2015, DeSimone and colleagues published a paper in Science Magazine on their invention of a rapid polymer 3D printing technology, *Continuous Liquid Interface Production* (CLIP). The company, *Carbon*, which DeSimone co-founded, now develops printers with the CLIP technology. Called a *Tech Unicorn* by Forbes magazine, their printers are used by companies such as Adidas, Resolution Medical, Ford and Carbon for dental products

DeSimone has published over 350 scientific articles and has over 200 issued patents in his name with over 200 patents pending.

He currently serves as Carbon Co-Founder and Board Chair and holds the titles of Professor, Department of Radiology, School of Medicine, Professor, Department of Chemical Engineering, Professor, Graduate School of Business (by courtesy) at Stanford University.

Next, Dr. Stephen Chu will continue on the road of invention, presenting a highly innovative novel biologic dental implant design and offer his approach to Risks, Complications, and Solutions in the Esthetic Zone. A Paradigm Shift.

Digital Masters- Materials, Design, Technology & Software

We have witnessed an unprecedented rate of development and evolution of materials, design, technology and software in prosthodontics. Four global thought leaders, visionaries, inventors and innovators who have been on the cutting edge both in dental technology and prosthodontic practice for decades, will present their perspectives in this rapidly developing area. These luminaries include Mr. Lee Culp, Mr. Don Cornell, Mr. Vincent Fehmer and Dr. Jonathan Ferencz.

Day 2 of our program will be devoted to *Risk Assessment*.

Perhaps the most challenging mission in clinical practice is the decision-making process in patient assessment, diagnosis and treatment planning with the goal of maximum longevity of periodontium, implants and prostheses. We will ask our specialists from 3 continents in periodontics (Drs. Richard Kao and Guo-Hao (Alex) Lin), prosthodontics (Drs. Danielle Layton and Carlo Ercoli) and material science expert (Dr. Susanne Scherrer), to explore the state of the science with evidence-based presentations aimed at enhancing clinicians' predictability of patient treatment and improved patient outcomes.

Another adjustment we have made to our program is the addition of four major sponsor corporate interviews. Since our virtual session will not have time for the sponsor interaction, KOL sessions or live exhibitor interaction, we believe it would be valuable to have these interviews. Academy Fellow, Dr. Effie Habsha is a proven consummate expert at this and will do a marvelous job conducting the interviews.

The Academy of Prosthodontics is especially excited to invite all graduate prosthodontics students from across North America to attend our annual session at no cost, thanks to the generous sponsorship of IvoclarVivadent covering their registration fees. Students must register to ensure their spot as space is limited.

I want to thank our program committee members and Executive Council for their diligent efforts and extensive time commitment that they have devoted to several years of meeting venue cancellations/negotiations and adapting our program to a virtual format. Being program chair for 2 years now and watching the Academy leadership in action, I can assure you that the Academy of Prosthodontics is in very good hands.

President Carol Lefebvre, the Executive Council and I look forward with great anticipation to welcoming you to our virtual 2021 annual session.

Warmest regards, John

[Program Committee](#)

John Sorensen, Chair

Don Curtis

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