



International College of Prosthodontists
19th Biennial Scientific Session - VIRTUAL - September 22 – 25, 2021

Program Speaker – Susana Salazar Marocho

Title

Tomorrow's Dental Materials - 'Rock, Paper, Scissors'

Abstract

Materials science features engineering, chemistry, and physics. In a Venn diagram, materials science is located at the intersection of these three fields. That is why the fast evolution and introduction of novel and smart dental materials over the last years is not surprising. Indeed, we live in an exciting period in Dentistry where the menu of materials available keeps expanding. In dental practice, the material data and clinical behavior influence our choices. The most insightful comment about materials is the 'rock, paper, scissors' analogy. Do you know how this translates to the dental materials that you use in the dental office? Can you picture how new materials will revolutionize the choices and applications in dentistry in the next 10 years? What will it take to get there? These questions will be addressed in this talk. Join us!

Biography

Dr. Salazar Marocho is a full-time Assistant professor and Program Director of the Ph.D. program in the Biomedical Materials Science Department at University of Mississippi Medical Center (UMMC). She earned her dental degree in Peru. Brazilian government agencies funded her M.S. and Ph.D. studies in Restorative Dentistry with an emphasis on Fixed Prosthodontics. In Brazil, she worked with distinguished researchers that served as her mentors. In addition, Dr. Salazar Marocho succeeded in completing the residency program in Implant Dentistry. Then, she joined the Department of Biomedical Materials Science at the UMMC as a post-doctoral fellow for two years before being promoted to Assistant Professor in 2017. Dr. Salazar Marocho research is focused on fracture mechanics of dental ceramics, bonding, laser-aided debonding, fatigue behavior, and failure analysis in monolayer and multilayer ceramic specimens. Dr. Salazar Marocho is an alumni of the ADEA/AAL Faculty of Color Professional Development program and participates of the 2020 AADR Mind The Future program. Dr. Salazar Marocho has built a strong track record of mentorship and award recognitions including the 2019 ICP Research Grant and Ivoclar Vivadent/ ICP Research Fellowship in Dental Restorative Materials (where she served as mentor), among others. In addition to her research experience, she was consecutively recognized with the Nelson Order for Excellence in Teaching award in 2018 and 2019.