



Academy of Prosthodontics 2026 Annual Scientific Session The Boca Raton Hotel, Boca Raton, FL | May 27-30, 2026

Program Speaker – Mark Ludlow, DMD, MS

Title

The Devil's in the Details: Nuances of Digital Prosthodontics

Abstract

Digital technology has reshaped fixed prosthodontics and implant dentistry, promising efficiency, precision, and streamlined workflows. Yet, as with all clinical advances, the true challenges lie in the details. This lecture examines the nuances of digital prosthodontics, focusing on the often-overlooked variables that influence clinical success. Attendees will explore common problems, limitations, and controversial topics surrounding intraoral scanning, digital design, material selection, and fabrication workflows in both tooth and implant-supported restorations. Emphasis will be placed on understanding sources of error, technique sensitivity, and the disconnect that can occur between digital planning and clinical reality.

Learning Objectives

- Identify common sources of error, limitations, and technique-sensitive steps in digital workflows for fixed prosthodontics and implant dentistry.
- Evaluate the advantages and disadvantages of digital versus conventional approaches
- Understand the nuanced details of digital dentistry workflows to achieve better patient outcomes.

Biography

Dr. Mark Ludlow is the Section Head of Implant Dentistry, Digital Dentistry, and Removable Prosthodontics at the University of Utah School of Dentistry. He completed his DMD dental training at the University of Connecticut and received his MS in prosthodontics from the University of North Carolina. Dr. Ludlow has been involved in various research projects along with product development and alpha/beta testing with numerous dental companies and implant manufacturers. He has lectured nationally and internationally on a variety of topics involving surgical implant placement and restoration, guided implant surgery, digital dentistry, and fixed prosthodontics. As a practicing and teaching prosthodontist, Dr. Ludlow's passion is in the development and integration of digital technology in the practice of everyday implant and restorative dentistry.

**Speaker has disclosed affiliation with Dentsply Sirona, Sprintray, DS, Henry Schein*