Academy of Prosthodontics Annual Scientific Session
Ritz-Carlton, Sarasota Florida   April 25 – April 29, 2017

Program Speaker – Dr. Petra Guess-Gierthmuehlen

Title
Digital Workflows: Predictable Outcomes for Complex Rehabilitations

Abstract
Esthetic full-mouth rehabilitation of severely compromised dentition represents a great challenge for clinicians and dental technicians. Workflows that improve the predictability of the final treatment outcome of these complex cases are therefore needed. Advancements in CAD/CAM material systems, digital restoration planning and fabrication enable the development of innovative treatment concepts for the severely compromised dentition. Digital face scans and novel CAD/CAM applications offer a standardized manufacturing process, resulting in a reliable, predictable and economic workflow for complex teeth and implant supported restorations. The lecture will present case series and the scientific evidence pertaining to the clinical success of CAD/CAM materials and digital restorative technologies.

Learning Objectives
1. The lecture will provide guidelines for minimal invasive preparation designs and recommended ceramic thicknesses
2. The lecture will highlight the advantages of modern CAD/CAM materials and comprehensive digital workflows
3. The lecture will present case series and the scientific evidence pertaining to the clinical success of CAD/CAM materials and digital restorative technologies

Biography
PETRA G. GIERTHMUEHLEN, DDS, Dr. Med. Dent., PhD
graduated and received her DDS from Albert-Ludwigs University, Freiburg, Germany in 2001. She was an Assistant Professor (2001-2006) at the Department of Prosthodontics (Chair Prof. Dr Dr. h.c. J.R. Strüb), University, Freiburg, Germany and is a Board certified Prosthodontist (2005) of the German Society of Prosthodontics and Dental Materials (DGPro). From 2006-2009 she was a Visiting Scientist at the Department of Biomaterials & Biomimetics (Chair Prof. Dr. V.P. Thompson), NYU, New York, USA. In 2009 Dr. Guess was appointed Associate Professor at the Department of Prosthodontics, University, Freiburg, where she accomplished the Habilitation in 2011. Since 2016 she is Professor and Chair of the Department of Prosthodontics at the Heinrich-Heine University in Dusseldorf, Germany.