



## 3M<sup>SM</sup> Health Care Academy

### Advanced dentistry – from traditional to digital workflow



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CED-IADR & NOF Oral Health Research Congress, Madrid, Spain  
**3M Symposium: September 19, 2019**



# Advanced dentistry – from traditional to digital workflow

Minimum intervention, increased patient comfort, better outcomes: this is what advanced restorative dentistry aims to achieve. The desired enhancements are facilitated by innovations in the materials field on one hand and by an evolution of digital planning and processing technologies on the other.

For dental practitioners, the main challenge is in selecting the most appropriate materials and techniques for each individual clinical situation. Due to the wide choice of available products, they need to be very well informed about the current trends, suitable material options and the possibilities and limitations related to their use. Support in accomplishing this task is provided by the three speakers of this symposium. Focusing on different materials and steps in direct and indirect restorative workflows, they give an overview of recent developments. Participants will learn when and how to use them properly in the clinical environment.

## Programme

### Date:

September 19th (Thursday), 2019

### Schedule:

1.30 p.m. – 3.30 p.m.

### Venue:

Meliá Castilla  
Hotel & Convention Center  
Calle del Poeta Joan Maragall, 43  
28020 Madrid, Spain

Lecture hall Tapices 1 (lower floor)

**Participation** is included in congress registration

**Prof. Dr. Bernd Wöstmann**, *Director and Chair of the Department of Prosthodontics Justus-Liebig University of Giessen Dental School*

### Evolution of impression taking – new impression materials in digital times?

- Overview of available impression materials and technologies
- Outlook on the future of impression taking: are intraoral scanners likely to take over?
- Specific challenges of conventional and digital impression techniques and ways to overcome them
- Discussion of success-relevant parameters in digital and conventional workflows



**PD Dr. Jan-Frederik Güth**, *Deputy Director at the Department of Prosthodontics University Hospital of the Ludwig-Maximilians University Munich*

### Digital technologies and monolithic materials - an ideal synergy?

- Focus on two megatrends: digital revolution and minimally invasive “close-to-nature” dentistry
- Potential and limitations of up-to-date digital technologies such as intraoral scanners, 3D face scanners, milling and 3D printing devices
- Successful use of innovative PMMA-based and ceramic restorative materials
- Presentation of new therapeutic concepts and clinical recommendations for their integration into daily procedures



**Prof. Dr. William Palin**, *Chair in Biomedical Materials Science at the Institute of Clinical Sciences, University of Birmingham School of Dentistry*

### The de-stressed smile: low shrink chemistries for modern resin composites

- Properties of bulk-fill versus incrementally layered resin composites: Do you have to choose between depth of cure, low polymerization shrinkage stress and optimal esthetics?
- Integration of stress-relieving chemistry into universal composites: Does it work?
- Clinical advice on proper light curing.

