

# TECHNICAL PROGRAM 1

ROOM: McKennitt 5 - 6



DEVAUGHN FRASER



9:30AM - 10:30AM

## inLab 19: The Power of Modernization Meets the Simplicity of Innovative Improvement

Curious? Terrific! Come and see how inLab 19 can be both simple yet powerful.

You have wondered about the future, how you might reach out to more clientele, how you can increase accuracy, decrease cost and manufacture with speed you never thought possible. Now is the time to innovate - let us show you how.

inLab is a friend to those that can hardly turn on a computer, to the advanced user and everyone else in between. Modernization of the dental field now demands that all labs and technicians adapt and evolve with it.

This lecture will share effective, and even fun, workflows to help you best succeed.

**Devaughn** has worked in the health industry for 16 years - 12 of which specifically as a technician, or in the capacity of Director of Highland Dental Lab.

Seeing and anticipating the morphing dental landscape, Devaughn began modernizing his lab at Highland nine years ago by acquiring their first in-house milling unit. Since that time, no other lab or practice in Canada has created more restorations with their Sirona MCXL than Highland. Nine years later, the lab is truly state of the art, with multiple scanners, mills, and a 3D model printer.

Not to be overshadowed by equipment, Devaughn has received advanced design certificates from Sirona and Vita. Further, he is numbered amongst a lucky few that are 'inLab Trainers for Trainers', certified and instructed in Germany and Italy.

Devaughn self identifies as a 'tooth nerd' and can be found immersed in a dental publication or tinkering with his dental 'toys'. Beyond that, Devaughn is an avid outdoorsmen, rugby fanatic and suffers from a congenitally defective sense of humor.

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10:30AM - 11:00AM • BREAK



VICTOR CASTRO, CDT



11:00AM - 12:00PM

## Lithium- Zirconia Materials: High Strength and Uncompromised Esthetics

In today's market, there is a high demand for strength and esthetics. For most available materials there is a solution for one or the other, but not both at the level that exceed patient expectations. Until now..!

The introduction of a highly translucent zirconium- reinforced lithium silicate glass ceramic foundation, supporting average biaxial strengths of over 541Mpa with uncompromised shade consistency with streamlined processing steps will be presented. In addition, for the production of "bread & butter" monolithic crowns, new pre-shaded highly translucent and multicolor zirconia materials that rival micro-layered ceramics are now available to address anterior esthetics and posterior strength concerns without the need for internal or external staining for shade matching. Now, two "Out of the Box" materials meeting patient needs, strength, shade tab reproduction, and have simplified process workflow are available.

**VICTOR CASTRO** , CDT

**Victor E. Castro** was born in New York City and raised in South America. He currently owns Studio-280 in Houston, Texas. His artistic abilities have enabled him to work with the most prominent dental offices in Houston. He has been helping dentists and specialists create functional and cosmetic dental restorations since 1991. His working relationships have given him the ability to specialize in everything from full mouth rehabilitations to single tooth replacement. Victor joined the group "Art and Experience" by Claude Sieber in 2008.



**BASSAM HADDAD**, CDT



**12:00PM - 1:00PM**

Be a part in "The Wind of Change", ceraMotion One Touch

Achieve complex shade match with full zirconia crowns, gum shading and translucencies within the incisal edge. Explaining how surface morphology can affect the surface gloss, intensity characterization and tooth contour.

Learning Objectives:

- Shade matching of full zirconia crowns
- Gum shading on full contour implant zirconia bridges
- Incisal translucency using One Touch 3D pastes
- Texture, morphology and tooth surface gloss Intensive characterization and tooth contour using ceraMotion One Touch 3D , 2D pastes

**Bassam Haddad** has been a dental technician for more than 28 years. He acquired comprehensive knowledge with respect to various systems of dental technology from the greatest masters of dental art in the world. He has authored several local and international articles on aesthetic and restorative dentistry, and was a lecturer at many conferences and dental meetings in Europe and North America.

He is an opinion leader consultant for Dentaurum & Nacera.

Bassam Haddad is proudly a member of Oral Design International group and owns Vivaclair Canada dental laboratory in Montréal.

**1:00PM - 2:00PM • EXHIBIT HALL • LUNCH FOR PURCHASE**



**CONRAD VENNE** , DT



**2:00PM - 3 :00PM**

How to select the most efficient and cost-effective zirconia grade/ type for aesthetic and performing prosthetics

- History and latest developments of zirconia as a crown material
- Parameters, benefits and limits of the different zirconia grades
- Scientific data on hydrothermal aging
- Examples of the various indications which zirconia is suitable for

**Conrad** graduated as a dental technician in 1984. Since then, he has worked for the Canadian Armed Forces and managed several private laboratories. Since 1999, he has adopted digital technologies. He founded the first CAMcube milling centre in 2013.

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**3:00PM - 3:30PM • BREAK**




**3:30PM - 4:30PM**

### Digital workflow vs. Analogue technique for implant-supported prosthesis

Treatment planning for full mouth implant restoration is the key of the success of communication between dental technician and dentist. CAD/CAM technology in implant dentistry has grown exponentially in recent years. With an inexhaustible supply of frameworks, designs, and materials, there are no real guidelines as to the appropriate selection and design of the framework foundation and supported tooth forms. This presentation will provide a decision tree and a new classification system for CAD/CAM framework and abutments selection according to case specific indications.

**DOMENICO CASCIONE,**  
B.Sc., CDT,



**Domenico Cascione,** B.Sc., CDT, obtained his primary education in Bari (Italy), where he was also certified as a Dental Technologist (CDT) in 1985. From 1991 to 2004, he carried out metallurgy research becoming a specialist in dental metallurgy. He is the Research Associate and Program Director of Advanced Training for Dental Technology at the Center for Dental Technology at the University of Southern California School of Dentistry. Domenico is the Editor-in-Chief of Spectrum Dialogue, the largest technical journal in North America.

The ultimate goal is to deliver a long-term and clinically successful prosthesis with regards to Esthetics, form, and function. Using simplified, digital workflow with a digital impression, Cad Design and collaboration with a Milling center for Cam procedures.


**4:30PM - 5:30PM**

### The digital workflow with digital patient diagnostics – Innovations from the heart of the Alps

When it comes to healing, only the best is good enough! Nowadays patients demand more and more involvement in treatment processes as well as a treatment according to the latest findings in medical technology. In order to satisfy this demand, also dental technology has become more and more digital: 3D-patient recording, computer-based guided implant surgery, digital articulation, virtual planning and design of dental prostheses result in greater accuracy, speed and efficiencies, leading to improvement in patient care.

During the lecture, Jürgen Feierabend, MDT and Zirkonzahn CAD/CAM expert (South Tyrol, Italy), will explain innovative concepts for a smooth digital workflow, providing an in-depth analysis of the latest state-of-the-art devices from digital patient analysis to the final restoration. In this context, he will show cases based on the 3D virtual reproduction of the patient's face – for a realistic design of restorations according to the patient's physiognomy – as well as on a patient data acquisition method that allows for the 1:1 transfer of the data into the software without loss of information. A new computer-based guided implant planning solution allowing for backward planning and the following immediate loading of implants will also be outlined. The presentation will be supported by the demonstration of clinical cases made with different materials, e.g. the new Prettau® zirconia typologies.

**JÜRGEN FEIERABEND,** MDT



**Jürgen Feierabend,** MDT, is a dental technician trained at the Josef Wagner Dental Laboratory in Bad Fredeburg, Germany. He received a Dental Technician apprenticeship diploma in 1992.

From 1992-1999, he specialised in the fields of ceramics, precious metals, complete denture prosthetics and customer service, and was the Chief of the Prosthetics Department at the Ludger Wagner Laboratory in Bad Fredeburg, Germany. From 2000-2010, his practice focused on ceramic restorations and telescope and attachment techniques at the Praxislabor Grosse – Lordemann in Brilon, Germany. Since 2011, he has been a lecturer and trainer for national and international CAD/CAM courses at Zirkonzahn, Italy.

