CAD/CAM in dentistry is assuming a larger role every day. There are many questions, myths and fallacies that have arisen about the topic. This weekend series will address these issues and provide clear answers that all attendees will find beneficial. Topics covered will range from:

Digital imaging – Why? How it benefits the average dental practice - increased efficiency, better quality control, contains the restorative costs, and decreases your overhead.

CAD/CAM - Basic fundamentals to more advanced techniques that showcase the power of the technology. From the simple bread-and-butter single unit to the management of complex rehabilitations will be discussed and dissected. How to restore implants simply, easily and affordably.

Materials - There has been an explosion of materials available to the CAD/CAM dentist from our material partners over the past few years. Chicago Mid-Winter meeting and IDS in Cologne Germany will have the announcements of a number of significant advancements geared for the CAD/CAM dentist.

Bonding and Cementing - this is a topic with many different viewpoints. The options available will be discussed, ranging from the established standards and the newer materials becoming available from some of the most respected manufacturers.

Integration - The CAD/CAM platform is not just a restorative platform, when integrated with the other digital technologies available it becomes the core of the high tech practice. CAD/CAM and cone beam technology are being proven to be the standards we should strive for. The only way to execute prosthetically-driven implant dentistry with the precision needed to create life-like restorations.

The future – Right now is an exciting time for digital dentistry, many advancements are coming to help the professional lives of the restorative dentist. These points and the directions we are heading will be discussed.

The hands-on portion of the series will allow you to put some of the theory discussed in the lecture into use. Typodonts will be imaged with Sirona’s Omnicam, powderless, full color video imaging that allows for the creation of crystal clear virtual models. Utilizing the chair-side 4.0 software, we will design restorations on virtual models by going through the various steps involved in the process. You will be able to experience the ease of use of the most advanced chair side CAD/CAM system available today. The various steps involved will be demonstrated and you will complete them, with the final result being the milling of a full coverage restoration from a block of one of the available Ivoclar products. Various tools available in the software will be used to modify your proposals, creating customized restorations that you can be proud of. These restorations will then be brought to the final state by using some basic stain and glaze techniques. You will experience the chair-side CAD/CAM process; the mystery of it will be removed. You will see it is not a difficult and confusing experience, rather a simple straightforward process that is easy to grasp.
Essentials of Esthetic Dentistry Series 2013 – Weekend Session #5:  
*Digital Dentistry and its Increasing Role in Quality Patient Care*  
Peter Gardel, DDS, PC  
May 18-19, 2013

**Biography:**

**Dr. Peter A. Gardell** graduated from New York University College of Dentistry with honors. He has received numerous rewards for clinical excellence. He maintains a private practice in Stamford, Connecticut, that emphasizes cosmetic and high tech dentistry. He successfully completed the CON process in Connecticut and installed the first Galileos Cone Beam Scanner in the state. He was also involved in the legislation changing the state laws that removed the need for this involved process.

Dr. Gardell has attained faculty and clinical mentor positions at prestigious educational institutions. He is a faculty member of CerecDoctors.com and a faculty member in the Cad Cam Department at the Scottsdale Center for Dentistry. Additionally, he is a Beta Tester for the Sirona Cerec Chairside Software and Alpha Tester for the Sirona Omnicam.

He has written numerous articles on Cad Cam and esthetic dentistry and lectured extensively on many of the technologies he has implemented in his office. He is Co-Founder of DentalCadProducts.com, a company founded to help simplify the life of the Cad Cam Dentist. “Simple Solutions to High Tech Problems.”