

2016 Northern Lights Conference Participants
November 4&5, 2016 – Halifax, Nova Scotia, Canada

- [Gary Alex](#) is in private practice in Huntington, New York. He is an Accredited Member of the *American Academy of Cosmetic Dentistry*, and is a Co-Founder of the *Long Island Center for Advanced Dentistry*.
- [Steve Armstrong](#) is a Professor and Chair of the Department of Operative Dentistry at the *University of Iowa College of Dentistry*. His research interests include adhesive dentistry (main focus dentin adhesion), minimally invasive dentistry and resin-based composites.
- [Oliver Benz](#) is a development engineer at *Ivoclar Vivadent* in Schaan, Liechtenstein. His focus is on development of curing lights.
- [Uwe Blunck](#) is an Assistant Professor at the *Charité-University, Berlin*, in the Department of Operative and Preventive Dentistry. He provides many continuing education courses to dentists on how to handle resin composites. His main research interests are adhesive techniques, composite resin restorations, and treatment of cervical lesions.
- [Dr. John O. Burgess](#) is a graduate of Emory University School of Dentistry. He received his M.S. in Biomedical Sciences from the University of Texas Health Science Center in Houston, Texas, completed a one year General Practice Residency and a two-year General Dentistry Residency.
- [Peter Burtscher](#) has worked at *Ivoclar Vivadent* in Schaan, Liechtenstein as a chemist in the development department for clinical materials since 1985. Since 2013 he has been the Director of *R&D/Organic Chemistry*.
- [Ricardo Carvalho](#) is a professor at the *University of British Columbia*. He taught in Brazil, USA and Japan before moving to Canada. Previously he was Director of R&D and Distinguished Scientist for Bisco Inc.
- [Liang Chen](#) is Chief Scientist at *BISCO Inc.* He is an inventor in the area of polymeric dental materials.
- [Ivo Correa](#) is a Professor of Dental Materials at the Federal *University of Rio de Janeiro*. His main research interests focus on photochemistry in dentistry, especially the role of photoinitiators and curing lights on the chemical and physical properties of resin based materials.
- [Brian Darvell](#) is Honorary Professor at the *University of Birmingham School of Dentistry*. He has been involved in research and teaching Dental Materials Science since 1969. Broadly focused on the development of test methods he is interested in the solubility of calcium phosphates, and especially that of hydroxyapatite.
- [Ulf Drechsler](#) is the innovation manager at *KaVo Kerr Group*.
- [Jack Ferracane](#) is a Professor and Chair of Restorative Dentistry and Division Director of Biomaterials and Biomechanics at *Oregon Health & Science University*. He is currently

president of the **AADR**. His main research interests include developing new and novel dental composites, understanding the interaction between dental composites/adhesives and biofilm formation and secondary caries formation around dental restorations, developing antimicrobial and remineralizing materials containing bioactive glass, and conducting clinical research studies in dental practices.

- [Alex Fok](#) is Professor, Department of Restorative Sciences and Director, **Minnesota Dental Research Center for Biomaterials and Biomechanics (MDRCBB)**. His research activities cover a range of topics in solid mechanics, nuclear technology and biomechanics both at a fundamental level and related to practical applications. The finite element method forms the main tool of his research.
- [Grant Fuessle](#) is an R & D Chemist at **BISCO Inc.**
- [Philippe Hetu](#) is a consultant for **3M Oral Care** in Quebec, Canada.
- [Reinhard Hicel](#) is Dean of Medical Faculty since 2015. He is Professor, Head of Department for Operative/Restorative Dentistry, Periodontology and Paediatric Dentistry since 1992 at the **Ludwig-Maximilians-University of Munich**, Germany. His main subjects of research are new restorative materials (especially composite, GIC, ceramic restorations), and minimally invasive dentistry. He is the Chair of the German Academy for Education in University medicine and teaching. He is also an advisor to the Federal Ministry of Health.
- [Klaus Peter Hoffmann](#) is the Head of Knowledge Communication at **VOCO GmbH**. He is responsible for teaching, lecturing, collecting and providing of information that is related to dentistry and to VOCO products.
- [Chuck Hudson](#) is the Professional Relations Manager for **3M Oral Care** in London, Ontario, Canada. He has over 30 years of experience in the North American dental industry.
- [Marcelo Gianinni](#) is an Associate Professor at Department of Restorative Dentistry, **Piracicaba Dental School**, in Brazil.
- [Thomas Hill](#) has been the manager of Scientific Services at **Ivoclar Vivadent** in Amherst, New York for 15 years where he oversees the North American Ivoclar sponsored clinical trials and In vitro studies on resin composite filling, adhesives, light curing units and CAD/CAM in dentistry.
- [Nicoleta Ilie](#) is a professor of biomaterials at the Dental School of the **Ludwig-Maximilians-University** in Munich. She has numerous publications on photopolymerization, dental curing lights, and dental resins.
- [Andy Kawamoto](#) is Senior Manager of the Research and Development-Chemical Division at **Ultradent Products**.
- [Daniel Labrie](#) is an Associate Professor in the Department of Physics and Atmospheric Science at **Dalhousie University**. His main research interests are in the areas of crystal

growth, dental curing lights, light measurement techniques, and the physical properties of resin based composites.

- [Hui Lu](#) is a senior Research Scientist at **Dentsply Sirona** in Delaware, USA. His main research interests include photopolymerization, dental curing light, elucidation of curing kinetics, volumetric shrinkage & shrinkage stress of dental resins.
- [Michael Miller](#) has served as President and Editor-in-Chief for **REALITY**. He is currently a Clinical Associate Professor at the **University of Texas School of Dentistry** in Houston, where he is also the Director of the Center for Sports Dentistry.
- [Bernhard Möglinger](#) is a Professor for Testing of Polymer based Parts and Materials, Faculty of Applied Natural Sciences at the **Hochschule Bonn-Rhein-Sieg**. His main research interests in the field of dentistry are the curing behaviour and curing kinetics of VLC resin based composites. Using Dielectric Analysis (DEA), microhardness and degree of conversion, he is examining the effects of light curing on short- and long-term mechanical properties of resins.
- [John O'Keefe](#) is Director, Knowledge Networks with the **Canadian Dental Association**. In this role he is responsible for the development of JCDA Oasis (www.jcdaoasis.ca) as a clinical decision support system for the dental office, and the publication of the *JCDA* and *CDA Essentials magazine*. He has been chair of the communications committee of the FDI World Dental Federation, and president of the American Association of Dental Editors.
- [Alexander Kögel](#) works at **Ivoclar Vivadent** in Schaan, Liechtenstein as a Product Manager for Equipment Systems Clinical, i.e. curing lights and capsule mixing devices.
- [Joe Oxman](#) is a Corporate Scientist at **3M Oral Care**. He is an inventor and developer of many dental and non-dental materials. His primary interests are photocurable systems, nanotechnology, hard tissue adhesives, resin modified glass ionomer materials, and strategies to reduce polymerization shrinkage/shrinkage stress.
- [Frank Pfefferkorn](#) is Senior Manager Dental Research at Clinical Affairs **Dentsply Sirona** Restorative in Konstanz, Germany. External research in the field of restorative dentistry is his main responsibility. Being a dentist, his main interest is to translate research results into improvements of daily dentistry.
- [Jeffrey Platt](#) is Chair of the Department of Biomedical and Applied Sciences, Director of Dental Biomaterials, Ralph W. Phillips Scholar in Dental Materials at **Indiana University** School of Dentistry. His primary research interests are in adhesive dentistry, polymer-based restorative materials, and early caries intervention. He is the Editor of **Operative Dentistry**.
- [Richard Price](#) is a Professor of Prosthodontics at **Dalhousie University** where he is cross-appointed with Biomedical Engineering. His main research interests include dental curing lights, light measurement, the physical and chemical properties of resin based composites, and knowledge translation.

- [Jean-François Roulet](#) is the former Chairman of the Department of Restorative Dental Sciences, **University of Florida**. Director of the Center for Dental Biomaterials. His research interests are related to minimally invasive dentistry, composites and ceramics, adhesive dentistry, aesthetic dentistry. He was an editor of the **Journal of Adhesive Dentistry**, Oral Health & Preventive Dentistry.
- [Fred Rueggeberg](#) is a Professor and Section Director of Dental Materials in the Department of Oral Rehabilitation at the **Dental College of Georgia at Augusta University**, in Georgia. His research interests include dental photocuring unit characterization and design, the interaction of light within restorative materials, and evaluation of the physical and mechanical properties of dental photo-polymerized products.
- [Andreas Schedle](#) works at the University Clinic for Dentistry, **Medical University of Vienna**.
- [Gottfried Schmalz](#) is a professor at the **University of Regensburg**. His research interests include evaluating the biocompatibility of dental materials and the characterization of bovine and human dentin permeability.
- [Karsten Schwarz](#) is the Global Scientific Affairs Manager for **3M Oral Care**, Seefeld, Germany.
- [Daehwan Shin](#) is the Manager of Bioengineering and R&D Systems at **BISCO Inc.** He is responsible for investigating various physical and mechanical properties of dental materials for product development and improvement. He is also responsible for design control, risk management, and biocompatibility report related to new product development.
- [Adrian Shortall](#) is a reader in Restorative Dentistry at the **University of Birmingham**, UK. His main research interests focus on dental curing lights, adhesive restorative materials, and clinical light delivery techniques.
- [Mike Simmons](#) is the Global Brand Manager at **Ultradent Products, Inc.**
- [Carlos Soares](#) is the Professor and Chair of Operative Dentistry and Dental Materials Department at School of Dentistry at the **Federal University of Uberlandia-Brazil** and Coordinator of Brazilian Agency for Graduate Programs in Dentistry - CAPES.
- [Howard Strassler](#) is Professor and Director of Operative Dentistry in the Department of General Dentistry at the **University of Maryland School of Dentistry**. He is involved with research and clinical uses of fiber reinforced composite resins, porcelain veneers, and fiber post. He is actively involved in the integration of digital technologies in dentist peer evaluation and for expanded uses in dental education.
- [Jeffrey Stansbury](#) is a Professor and Vice-Chair in the Department of Craniofacial Biology at the **University of Colorado**, School of Dental Medicine, where he is also the Senior Associate Dean for Research. He is jointly appointed in the Department of Chemical and Biological Engineering at the University of Colorado Boulder. His research

interests include polymer-based dental materials, bioengineering, and photopolymerization.

- [George Subrebost](#) is a Senior Mechanical Engineer at **Kerr** Corporation.
- [Tobias Tauböck](#) is a Senior Lecturer in the Department of Preventive Dentistry, Periodontology and Cariology at the **University of Zurich**. He is head of the pre-clinical student courses in Conservative Dentistry. His main research interests include prevention and minimally invasive restoration of erosive/abrasive tooth wear, photopolymerization and shrinkage stress kinetics of dental resins, and development of bioactive “smart” polymeric materials.
- [Douglas Terry](#) is the founder and CEO of the Institute of Esthetic and Restorative Dentistry. He is an Adjunct Professor, Department of Restorative Sciences, **University of Alabama** at Birmingham. He maintains a private practice in Houston, Texas emphasizing aesthetic and restorative dentistry. He is an active consultant and product evaluator to several dental manufacturers.
- [Van Thompson](#) is Professor of Tissue Engineering and Biophotonics at **King's College**, London. His research interests include fatigue and fracture testing in ceramics, adhesion to materials and hard tissues, early caries, and the practice based research (PEARL Network).
- [Andreas Utterodt](#) is R&D Manager for Dental Filling Materials at **Heraeus Kulzer** in Wehrhein, Germany. His main responsibility is the development of new composite and technological basic research projects. He is a representative member in the International Standard Organization (ISO, DIN / TC106-SC1).
- [Marcos Vargas](#) is a Professor in the Department of Family Dentistry at the **University of Iowa**, College of Dentistry. He provides many continuing education courses to clinicians that focus on how to handle resins to maximize the final esthetic result. His research interests include adhesive dentistry, color, and resin-based composites.
- [David Watts](#) is a Professor of Biomaterials Science at the **University of Manchester** and editor of **Dental Materials**. He engages in physical, chemical, and materials aspects of research into photo-cured composites, while trying to avoid re-inventing the wheel.