

AGENDA

08:15 – 09:00	Registrierung/Besuch der Ausstellung						
09:00 – 09:30	Keynote – “Long-term Vision and Product Strategy”, Alex Davern, COO/CFO and Senior VP National Instruments						
09:30 – 10:30	New Technology Introduction – “Let’s do Engineering Faster – It’s about Time!”, Christian Moser, Managing Director NI Switzerland; Alexander Rudolph, Applications Engineer Group Leader						
10:30 – 11:00	Kaffeepause/Besuch der Ausstellung						
Raum	Zürich	Basel	Bern	Genf/Montreux	St. Moritz	Arosa	Davos
	Graphical Software Development	Industrial Measurement & Control	Industrial Data Acquisition & Signal Conditioning	Automated Test & Measurement	Mechatronics & Robotics	Hands-On	Hands-On
11:00 – 11:30	Best Practices for Software Development in NI LabVIEW *** Elijah Kerry, Luca Pretto, NI	The RIGHT Development Process for LabVIEW FPGA Success * Wolfgang Zwick, NI	Get Flexible with your Data Acquisition * Andreas Scholz, NI	Driving Innovation in Test – New PXI Modular Instruments * Evrem Yarkin, NI	Machine Vision for Any Application ** Beat Schib, NI	Introduction to Programmable Automation Controller (PAC) Part I – Develop Reliable Stand-alone Applications * Sascha Egger, Marco Meier, NI	Optimize Your Test System and Reduce Test Time Using a Software Framework * Houssam Kasri, NI
11:30 – 12:00	Object-oriented Software Structures in Large Application Development Silvano Germann, ABB	Development of an Ultra-Low-Noise Voltage Source for Fundamental Research – Supported by LabVIEW RT Michael Steinacher, Universität Basel	Online Monitoring System for Generators in Nuclear Power Plants Otto Gansner, PI Electronics AG	What’s on the Roadmap? New RF Tools and Products of National Instruments * Ewa Napieralska, NI	Audemars Piguet Improves the Accuracy of its Watches: Discover the VidéoBalisomètre Antoine Châlons, QMT		
12:00 – 14:00	Mittagspause/Besuch der Ausstellung						
	Engineering Challenges of Mankind					Certification	
12:00 – 13:00	Lunch Sessions	Research: Collaborative Approach for Solving Giant Applications Stefano Concezzi, NI	Energy: Technologies to Bring the Smart Grid to Life Owen Golden, NI		Safe Transportation Systems: Create Safer and more Economic Transportation Luca Pretto, Christian Moser, NI	CLAD Arosa I	CLAD Davos I
13:00 – 14:00		Life Science: Drive Medical Device Development Rahman Jamal, John Hanks, NI		Semiconductor: Keeping up with Converging Technologies Christian Gindorf, NI		CLAD Arosa II	CLAD Davos II
14:00 – 14:30	NI LabVIEW UI Tips and Tricks * Ulrich Moeschel, NI	Architect Real-Time Systems with Confidence: Best Practices for LabVIEW Real-Time Development *** Nicolas Pasquier, NI	High-Performance Sensor Measurements: Introducing SC Express * Daniel Riedelbauch, NI	NI FlexRIO and LabVIEW FPGA for Test Applications ** Joseph Tagg, NI	Machines that Work: Advanced Motion Control Techniques * Jan Braun, Maxon Motor	Introduction to Programmable Automation Controller (PAC) Part II – From Raw Data to Results * Thomas Schoenitz, NI Holger Müller, a-solution	Real-Time Testing with NI VeriStand Part I * Balasz Toth, NI
14:30 – 15:00	LabVIEW in a Browser – Creating Web-based Interfaces with the Web UI Builder Amadeo Verges, Zühlke	LabVIEW in the World of Embedded Microprocessors – an Experience Report Marco Schmid, Schmid Engineering	Application of NI 24-bit Analog-to-Digital Converters in Impedance Metrology Frédéric Overney, METAS	A New Generation of Semiconductor Test, PXI ABex and FPGA Technologies allows Parallelism Mathias Vogel, Konrad Technologies	CompactRIO-based Control Application for Dragon “Fauchi” at Lenzburg Castle Bruno Stuber, FHNW		
15:00 – 15:30	Kaffeepause/Besuch der Ausstellung						
15:30 – 16:00	From Source Code to Executable – The LabVIEW Compiler under the Hood *** Elijah Kerry, NI	Windows-based PC Applications in the Industry Alain von Ritter, Sotronik	High-Speed Data Acquisition based on RIO-Technology ** Joseph Tagg, NI	RF Measurements & Spectral Monitoring Three RF Measurements Everyone Should Know * Ewa Napieralska, NI	The World’s First Pulsation-free Gear Pump Markus Aregger, Maag Pump System AG	Pitfalls of Accurate DC Measurements ** Wolfgang Zwick, Ulrich Moeschel, NI	Real-Time Testing with NI VeriStand Part II * Balasz Toth, NI
16:00 – 16:30	LabVIEW OOP – Take it to the Next Level Christian Glück, Bernafon AG	LabVIEW-based Control of a Multi-column Absorption Process for the Purification of Biopharmaceutical Drugs Lars Jensen, ALEA Solutions GmbH, Guido Ströhlein, ChromaCon AG	LabVIEW Control of a Dobson Spectrophotometer used to Monitor Atmospheric Ozone Pierre-Alain Probst, SCI-Consulting Sàrl	„Universal Signal Center“ – Switching across Platform Boundaries Dieter Spahni, Sascha Clavadetscher, PPS AG	The Moving Fluoroscope Dr. Hans Gerber, Institut für Biomechanik, ETH Zürich		
16:30 – 17:00	Fundamental LabVIEW Design Patterns * Beat Schib, NI	Podiumsdiskussion 16:30 – 17:15	Top Considerations for Optical Sensing * Daniel Riedelbauch, NI	NI Global Services – Ensure Customer Success ** Jordan Randall, Oliver Bruder, NI	Designing Autonomous Systems – NI LabVIEW Robotics used as Standard Platform for Robotics Systems * Sascha Egger, NI		* Beginner ** Intermediate *** Advanced
17:00 – 18:00	Apéro						