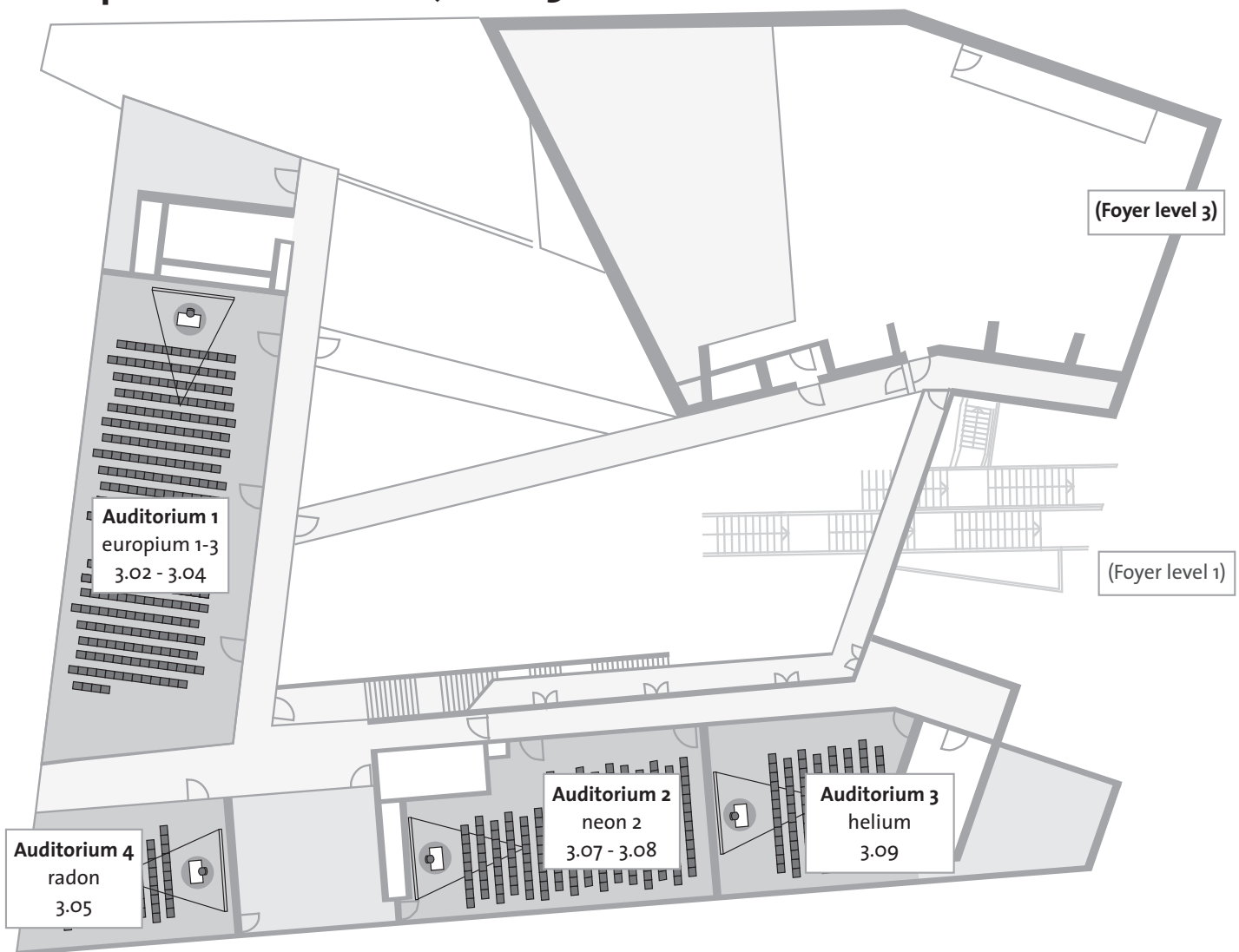


Congress hall “spectrum”

8:30-9:00	Registration
9:00-10:30	Session 1: Welcome and Keynote <i>Martin Timm</i> 1. Welcome and Organisation <i>Bernhard Wagner, Martin Timm, CST</i> 2. Virtual prototyping at Nokia <i>Sakari Soini, Nokia</i>
10:30-11:00	Coffee Break (Foyer level 1)
11:00-12:30	Session 2: CST New Technologies <i>Martin Timm</i> 1. CST STUDIO SUITE 2010 – taking complete technology a step further <i>Irina Munteanu, CST</i> 2. High performance computing – at the forefront of simulation technology <i>Felix Wolfheimer, CST</i> 3. New CST customer support system <i>Jens Eberhard, CST</i>
12:30-14:00	Lunch Break (Foyer level 3)

Floorplan darmstadium, level 3



	Auditorium 1 “europium 1-3”	Auditorium 2 “neon 2”	Auditorium 3 “helium”	Auditorium 4 “radon”
Sessions 14:00-15:30	3.1: Antennas I <i>Marc Rüttschlin</i> 1. Antenna and antenna array simulation <i>Marc Rüttschlin, CST</i> 1. Environment-independent miniature antennas <i>Hubregt Visser, IMEC</i> 2. Design of an array for very short range radars <i>Alfredo de Leo, Università Politecnica delle Marche</i> 3. Antenna design for the detection of alive buried victims under thick layers of rubble <i>Jean Marie Floc'h, IETR</i>	Session 3.2: Bio EM – MRI <i>Tilmann Wittig</i> 2. Bio-medical RF simulations with CST MICROWAVE STUDIO® <i>Tilmann Wittig, CST</i> 3. Effect of CST time domain solver setup and simplifying 7T MRI coil 3-D EM simulation models on power balance and SAR <i>Mikhail Kozlov, Max Planck Institut für Kognitions- und Neurowissenschaften</i> 4. Simulation and construction of body coil substitute at 7T whole body MRI-system with travelling wave concept <i>Tim Herrmann, Otto-von-Guericke-Universität Magdeburg</i> 5. RF coil design for magnetic resonance imaging at the Berlin Ultrahigh Field Facility <i>Christof Thalhammer, Berlin Ultrahigh Field Facility, Max-Delbrueck-Center</i>	Session 3.3: EDA – Electrical Integrity Analysis <i>Leonardo Sassi</i> 1. Fast solution for signal and power integrity analysis <i>Matthias Tröscher, CST</i> 2. Long range connector via coupling effects for high speed signals <i>Thomas Gneiting, AdMOS GmbH</i> 3. Visualize, identify and optimize with CST MICROWAVE STUDIO at Hirschmann <i>Winfried Krämer, Hirschmann Automation and Control GmbH</i> 4. Modeling and optimization of SiP SoP and packaging for electrical integrity using CST STUDIO SUITE® <i>Leonardo Sassi, CST</i>	Support Centre
15:30-16:00	Coffee Break (Foyer level 3)			
Sessions 16:00-17:30	Session 4.1: Antennas II <i>Marc Rüttschlin</i> 1. Efficient simulation of electrically large structures – antenna placement and RCS <i>Ilari Hänninen, CST</i> 2. The use of CST MICROWAVE STUDIO in the design of an X-band circularly polarised splashplate antenna <i>Richard Roberts, Astrium</i> 3. An efficient approach for wide angle scattering analysis of TT&C antennas on satellite <i>Marcelo Zolesi, Thales Alenia Space</i> 4. On the determination of the impulse response of ultra-wideband antennas <i>Sebastian Sczyslo, Leibniz Universität Hannover</i>	Session 4.2: Bio EM <i>Tilmann Wittig, Frank Weiland</i> 1. Numerical modeling of miniature multiturn transmission line resonator for high resolution magnetic resonance imaging <i>Simon Lambert, Université Paris Sud</i> 2. Bioheat simulations using CST STUDIO SUITE <i>Marli Strydom, CST</i> 3. Estimation of electromagnetic fields generated by RFID devices for identity reconfirmation of newborns <i>Serena Fiocchi, Consiglio Nazionale delle Ricerche, CNR</i>	Session 4.3: Performance – Automation <i>Franz Hirtenfelder</i> 1. Design and optimization of an RF module for an Xbox game controller using VBA <i>Joost ter Laak, JTL Engineering</i> 2. VBA macro for the construction of an EM 3D model of a tire and part of the vehicle <i>Guillermo Vietti, Politecnico di Torino</i> 3. Using CST MICROWAVE STUDIO distributed computing in a workgroup environment <i>Roland Rathgeber, Kathrein-Werke KG</i> 4. CST simulation acceleration, Q&A <i>Felix Wolfheimer, CST</i>	Support Centre

Evening

18:10 Transfer by tram to Orangerie Social event

	Auditorium 1 “europium 1-3”	Auditorium 2 “neon 2”	Auditorium 3 “helium”	Auditorium 4 “radon”
Sessions 9:00-10:30	Session 5.1: Antennas III – Optimization <i>Marc Rüttschlin</i> 1. Selected applications of tunable materials for tunable microwave components <i>Matthias Maasch, TU Darmstadt</i> 2. Designing a band notch filter for a UWB antenna using CST MWS <i>Ad Reniers, TU Eindhoven</i> 3. Antenna Magus – a sophisticated antenna pre-processor for CST STUDIO SUITE <i>Marli Strydom, CST</i> 4. Optimization of performance of an antenna using CST and Mode Frontier <i>Yael Kaldor, Rafael</i>	Session 5.2: EMC <i>Paul Duxbury</i> 1. Optimizing EMC/EMI performance of multimedia device housings by 3D EM simulation <i>Ralf Kakerow, Continental</i> 2. Virtual ESD testing <i>Andreas Barchanski, CST</i> 3. Calibration of probes for EMC near-field scanning <i>Matthias Spang, University Erlangen-Nuremberg</i> 4. Real world cable modelling <i>Matthias Troescher, CST</i>	Session 5.3: Charged Particle Dynamics <i>Monika Balk</i> 1. Vacuum tube applications with CST PARTICLE STUDIO® <i>Monika Balk, CST</i> 2. CST MWS simulation of the SARAF RFQ 1.5 MeV/nucleon proton/deuteron accelerator <i>J. Rodnizki, Soreq NRC</i> 3. Simulation of dipolar and quadrupolar wakes with CST PARTICLE STUDIO <i>Carlo Zannini, CERN</i>	Support Centre
10:30-11:00	Coffee Break (Foyer level 3)			
Sessions 11:00-12:30	Session 6.1: Performance – Optimization <i>Davide Tallini</i> 1. Meta-modeling with OptiV® design space visualization for electromagnetic applications in CST STUDIO SUITE® <i>The-Quan Pham, Optiy</i> 2. Multi-objective optimization of isoflux antenna <i>Rodolfo Ravanelli, Thales Alenia Italia SpA</i> 3. Optimization of components using sensitivity and Yield information <i>Franz Hirtenfelder, CST</i> 4. Optimization technologies empower CST STUDIO SUITE <i>Silvia Poles, Esteco</i>	Session 6.2: Optics <i>Frank Demming</i> 1. Modeling and evaluation of nano-antennas for IR frequencies <i>Zeev Iluz, Inbal Friedler, Yuval Yifat, Yael Hanein, Koby Scheuer, and Amir Boag, Tel-Aviv University</i> 2. Characterization of photonic structures with CST MICROWAVE STUDIO <i>Stefan Prorok, Hooi Sing Lee, Jan Hampe, Alexander Petrov and Manfred Eich, Hamburg University of Technology</i> 3. Simulation of plasmonic and photonic devices using CST MICROWAVE STUDIO® <i>Frank Demming-Janssen, CST</i>	Session 6.3: Low Frequency <i>Adrian Scott, Frank Weiland</i> 1. Overview of CST EM STUDIO® 2010 and future development <i>Adrian Scott, CST</i> 2. Solution of eddy current non linear problems <i>Fabio Freschi, Politecnico di Torino</i> 3. Coupled low frequency simulations with CST MPHYSICS STUDIO™ <i>Frank Weiland, CST</i>	Support Centre
12:30-14:00	Lunch Break (Foyer level 3)			

Afternoon

	Congress hall “spectrum”
14:00-15:30	Future directions in CST software development <i>Peter Thoma, CST</i>
15:30	Discussion and close

Coffee (Foyer level 1)