19th X-ray & CT Forum – Preliminary program

10-12 September 2024 | Hamburg/Ahrensburg

Tuesday, 10 September - Hamburg | Radisson Blu Hotel, Hamburg

9:00	**Registration open, welcome reception**	
	Coffee	
10:15	**Welcome and Safety Moment**	**Ludovic Milosevic**, General Manager - Radiography Systems Waygate Technologies, Germany
10:30	**Introduction**	**Dr. Holger Roth**, Sessions Chairman Waygate Technologies, Germany
	Keynote Speech	
10:40	**AI Applications in Industrial X-ray Imaging**	**Dr. Roger Herger**, CEO maXerial AG, Liechtenstein
	Partner Short Introduction	
11:20	**3D Visualization with VG STUDIO MAX**	**Patrick Nikolajko,** Partner Account Manager Volume Graphics, part of Hexagon, Germany
11:30	**Accessories for CT Systems**	**Jakub Salplachta**, CEO, CactuX, Czech Republic
11:40	**Introduction to Thermo Fisher Scientific Electron Microscopy**	**Dr. Arno Meingast**, Business Development Manager for clean energy DACH Thermo Fisher Scientific, Netherlands
11:50	**From 3D volumes to actionable data with Avizo Software**	**Jan Giesebrecht,** Product Applications Specialists Supervisor Thermo Fisher Scientific, Germany
12:00	**Lunch Break**	
	Technology Update	
13:00	**Developments of Hardware and Software for Industrial High Resolution and High Energy CT**	**Dr. Oliver Brunke**, Global Engineering Director IXS, Waygate Technologies, Germany
	Inspection in Additive Manufacturing	
13:40	**What Kind of Modern Equipment does a CT Inspection Service Provider Need – Examples of Current Applications**	**Dr. Peter Mikitisin**, CEO iWP - Innovative Werkstoffprüfung, Germany
14:10	**Investigation on dimensional metrology with X-ray CT for additively manufactured industrial components: a validation study with Optical Scan measurements on critical internal features**	**Luca Ammannato**, Engineering Manager – Metrology Baker Hughes Nuovo Pignone Technologies Srl, Italy

14:40	**High Energy CT live presentation from Cincinnati Customer Solution Center**	**Josh Schradin**, Senior Application Engineer Waygate Technologies Inc., USA
15:10	**Coffee break + Partner Exhibition**	
	Inspection in Aviation Applications	
15:40	**High Energy X-ray CT: A Case Study of the Phoenix Power|Scan HE for Aerospace Applications**	**James Willcocks,** NDE Technologist, Rolls Royce, United Kingdom
16:10	**Requirements for the use of tomographic inspection for aerospace components acceptance**	**Sara Guelfo,** Senior NDT Engineer, Avio Aero, Italy
16:40	**CT Metrology Validation: An Aerospace Case Study**	**Dr. Masoud Ghaffari,** Section Manager Aerospace Inspection Solutions (AIS) GE Aerospace, USA
17:10	**Closing Remarks**	**Ludovic Milosevic**, General Manager - Radiography Systems, Waygate Technologies, Germany
	Evening Event Program	
18:00	**Departure for evening Event Hamburg Harbour Boat Tour & Dinner**	Walking or bus transfer
22:30	**End of Evening Event**	**Walking or bus transfer**

Wednesday, September 11th - Hamburg | Radisson Blu Hotel, Hamburg

9:00	**Day 2 Welcome**	**Ben Linke,** VP Inspection & CEO of Waygate Technologies at Baker Hughes, Germany
	Scientific Research	
9:10	**Porosity analysis in the foundry industry – Transitioning from 2D to 3D via computed tomography**	**Dr. Florian Röper,** Teamleader Computed Tomography Österreichisches Giesserei-Institut (ÖGI), Austria
9:40	**Industrial CT system as a tool for basic research and in-situ experiments**	**Dr. Tomas Zikmund, Prof. Jozef Kaiser, CEITEC** Brno University of Technology, Czech Republic
10:10	**X-Ray based 3D Histology of Biological Tissues**	**Grzegorz Pyka,** Biomechanics Lab, Institute of Mechanics, Materials and Civil Engineering UCLouvain, Belgium
10:40	**Coffee break + Partner Exhibition**	
	Advances in Automization and Automatic Defect Recognition	
11:10	**Advances in XCT: from the auxiliary role of AI to the study of in situ processes**	**Dr. Javier García Molleja,** X-ray Lab Technician IMDEA Materials Institute, Spain
11:40	**Enhancing efficiency for industrial CT inspections through automated sample handling: a case study from a service provider**	**Dr. Thomas Kleinteich,** Managing Director TPW CTinspect GmbH, Germany
12:10	**Lunch break**	
	Battery Cell Inspection	
13:10	**3D at every length scale**	**Dr. Arno Meingast**, Business Development Manager for Clean Energy DACH Thermo Fisher Scientific, Netherlands
13:40	**Benefits of using CT scanning technology for battery cell inspection**	**Andrew Britton**, Business Development Manager UK Battery Industrialization Centre (UKBIC), United Kingdom
	Electronics, Sensors & Co.	
14:40	**Mastering Complexity in Microsystems and small mechatronic devices for medical Applications with CT Scanning**	**Dr. Frank Rehme,** DCRCA Roche Diabetes Care GmbH, Germany
15:10	**Investigations of sintered silver interconnects with multi-energy X-ray imaging methods**	**Oliver Albrecht, IAVT** TU Dresden, Germany

15:10	**Coffee break + Partner Exhibition**	
	Special Applications	
15:40	**In-situ and ex-situ X-ray Tomography in Leightweight Engineering**	**Dr. Ilja Koch**, ILK TU Dresden, Germany
16:10	**High Resolution CT of Polymers and more at BASF - the journey from “nice to have” to “cannot do without”**	**Timo Seib,** Team Leader Special Analyses BASF, Germany
16:40	**XRT for visualizing microstructure of extruded meat replacers**	**Dr. Maaike Nieuwland**, Researcher Wageningen Food and Biobased Research, Netherlands
17:10	**Closing Remarks**	**Ludovic Milosevic,** General Manager - Radiography Systems Waygate Technologies, Germany
	Evening Event Program	
18:00	**Departure for Dinner at Hard Rock Café Hamburg Landungsbrücken**	Walking or bus transfer
22:30	**Return to Hotel**	Walking or bus transfer
23:00	**End of Evening Event**	

Thursday, September 12th | Waygate Technologies site Ahrensburg

8:30	Bus shuttle transfer from Hotel Radisson Blu to Waygate Technologies site in Ahrensburg	
9:40	**Day 3 Welcome and HSE Moment**	**Roman Siegfanz**, Site Leader, Waygate Technologies, Germany
9:50	**Organizational Announcements**	**Dr. Holger Roth**, Sessions Chairman, Waygate Technologies, Germany
	Guided Company Tours	
10:00	**Group 1 + 2:** **High Tension Generator Production / System Production / Digital Imaging / Application**	Waygate Technologies, Germany
11:00	**Group 3 + 4:** **High Tension Generator Production / System Production /Digital Imaging / Application**	Waygate Technologies, Germany
12:00	**Lunch**	
13:00	**Group 5 + 6:** **High Tension Generator Production / System Production /Digital Imaging / Application**	Waygate Technologies, Germany
14:00	**Group 7 + 8:** **High Tension Generator Production / System Production /Digital Imaging / Application**	Waygate Technologies, Germany
	Hands-on Tutorials **(Starting 10:00h every 30min)**	
	3D Visualization Software Volume Graphics	**Patrick Nikolajko,** Partner Account Manager Volume Graphics, part of Hexagon, Germany
	Live demonstration of Phenom XL desktop scanning electron microscopy	**Dr. Arno Meingast,** Business Development Manager Clean Energy DACH Thermo Fisher, Materials & Structural Analysis Division, Netherlands **Timo Spellerberg**, Sales Manager IB-FT, Germany
	From 3D volumes to actionable data with Avizo Software	**Jan Giesebrecht,** Product Applications Specialists Supervisor, Thermo Fisher Scientific
	Accessories for CT Systems	**Jakub Salplachta,** CEO, CactuX, Czech Republic

	Waygate Technologies V|tome|x M neo system demo	**Dr. Tobias Neubrand**, Technical Lead, Electronics Waygate Technologies, Germany
	Waygate Technologies maintenance free connector demo	**Steffen Riechers,** Product Manager Waygate Technologies, Germany
15:00	**Closing Remarks**	**Ludovic Milosevic**, General Manager - Radiography Systems, Waygate Technologies, Wunstorf, Germany
15:30	**END OF 19TH X-ray & CT Forum**	