EUROPEAN ★

USERS' MEETING SEP 27-29, 2017

AGENDA

WEDNESDAY, SEP 27, 2017

TIME	EVENT	
12:00 – 13:00	Registration of arriving participants	
12:30 – 13:00	Welcome coffee + small snack	
13:00 – 14:30	Maritime workshop part I	Turbomachinery and powertrain workshop part I
14:30 – 15:00	Coffee break	
15:00 – 16:30	Maritime workshop part II	Turbomachinery and powertrain workshop part II
16:30 – 17:00	Break	
17:00 – 18:00	CAESES® Apps: Current Developments (optional for all workshop attendees)	
18:00 – 19:30	Dinner for workshop attendees	
19:30 – 20:00	Hotel check-in Registration of arriving participants	
20:00	Welcome Reception	

THURSDAY, SEP 28, 2017

TIME	EVENT
09:00 – 09:15	Welcome by FRIENDSHIP SYSTEMS
09:15 – 10:00	**Hannes Haefele, ORACLE Corporation** Keynote: Enjoy a zoo without enclosures – what to consider when navigating through today's business world
10:00 – 10:30	**Gregor Schmid, SIEMENS Power Generation** Advanced 3D geometries for turbine applications
10:30 – 11:00	Coffee Break
11:00 – 12:30	**David Bendl, VOITH** The application of CAESES® from a perspective of a propeller maker **Tanja Richardt, ThyssenKrupp Marine Systems** Virtual prototyping of fully appended naval vessels by integrating ANSYS-CFX into the hull form optimization process **Toni Klemm, KSB** Application of self-programmed custom features and special meridional contours for the design of multi-stage pumps
12:30 – 14:00	Lunch
14:00 – 14:30	**FRIENDSHIP SYSTEMS** - Product roadmap and current developments - Introduction Appification: Easy access to complex projects
14:30 – 15:30	**Olof Klasson, Caterpillar Propulsion** Blade design at Caterpillar Propulsion; CAESES® applied in the day to day business **Stefano Fontanesi / Giuseppe Cicalese, R&D CFD / University of Modena and Reggio Emilia** CFD optimization of powertrain components using CAESES®
15:30 – 16:00	Coffee break and photo
16:00 – 17:30	Trade Fair: Networking in the booth area, partners present new developments and current projects
17:30 – 19:00	Relax and enjoy with us the surrounding lake area!
19:00	Conference Dinner: Venue: Marché Moevenpick "Zur Historischen Mühle" – just a stone's throw away from Sanssouci Palace

FRIDAY, SEP 29, 2017

TIME	EVENT	
	OPTIMIZATION	**CAESES® APPS**
09:30 – 10:30	**Kevin Cremans, Hochschule Niederrhein** Surrogate-based multi-objective stator optimization using variation of complex free-form surfaces	**André Zimmer, MantiumCAE** App development for race car design
	Riccardo Pellegrini, CNR INSEAN Payload and resistance optimization of a SWATH model via design-space dimensionality reduction, CFD, and multi-fidelity surrogate models	**Jörg Brunswig, HSVA** Appification of tools via CAESES® as an integration platform
10:30 – 11:00	Coffee break	
	TURBOMACHINERY & POWERTRAIN	**MARITIME**
11:00 – 12:30	**Carsten Fütterer, FRIENDSHIP SYSTEMS** Parametric design of turbomachinery components for fully-automated shape optimization with CFD and stress analysis	**Harry Linskens, DEKC Maritime** Parametric Hull and Appendage Design for Wind Farm Installation Vessel
	Janik Guntermann, Hochschule Niederrhein Comparison of CAD parameterization and meta modeling approach for coolant channel flow	**Sabah Alwan / Sverre Steen , NTNU** A Holistic Multidisciplinary Process Integration and Design Optimization of the KVLCC2
	MingBiao Lu, Nanjing TianFu Software Intelligent design technology of turbomachinery with AITurbo and CAESES®	**Michal Orych / Leif Broberg, FLOWTECH Int.** High block coefficient ship aft body shape optimization
12:30 – 13:45	Lunch	
13:45 – 15:15	**Thomas Hildebrandt, NUMECA Deutschland** Robust variable geometry from CAESES® as clean input for FINE **David Schneider, Dynardo** Parametric studies with CAESES® in ANSYS Workbench and optiSLang **Matthias Maasch, University of Strathclyde** Pre- and post-processing tools developed in CAESES® to prepare and assess marine CFD simulations for resistance and propulsion	
15:15 – 15:30	**FRIENDSHIP SYSTEMS** Conclusion, questions, closing presentation (official conference end)	