



Tuesday October 16th

START OF MEETINGS at 09:00h

PLENARY SESSION

WELCOME MESSAGE	Prof. Charles Hirsch, <i>NUMECA International</i> Thomas Hildebrandt, <i>NUMECA Ingenieurbüro</i>
INTRODUCTION	Prof. Charles Hirsch, <i>NUMECA International</i>
NUMECA RECENT DEVELOPMENTS, OMNIS™ ENVIRONMENT AND VISION	Marc Tombroff, <i>NUMECA International</i>
FLUID STRUCTURE INTERACTION AND THE NON LINEAR HARMONIC METHOD	Prof. Damian Vogt, <i>University of Stuttgart</i>
VIRTUAL MODEL BASIN	Rodrigo Correa, <i>MMG – Mecklenburger Metallguss</i>

Coffee break

SOLUTIONS FOR GRID GENERATION	Nicolas Delsate, <i>NUMECA International</i>
SOLUTIONS WITH DISCRETE ELEMENT METHOD	Simon Vanmaercke, <i>NUMECA MPacts</i>
SOLUTIONS WITH LATTICE BOLTZMANN	Olivier Thiry, <i>NUMECA International</i>

LUNCH

TURBO, AERO & MULTIPHYSICS SESSION

CENTRIFUGAL COMPRESSOR OPTIMIZATION INCLUDING IMPELLER, DIFFUSER AND VOLUTE	Johannes Ratz, <i>TU Darmstadt</i>
WHAT'S NEW IN OUR TURBOMACHINERY SOLUTIONS	Benoit Tartinville, <i>NUMECA International</i>
WHAT'S NEW IN OUR MULTIPHYSICS SOLUTIONS	Kilian Claramunt, <i>NUMECA International</i>
HIGH FIDELITY NUMECA MESHES FOR UNSTEADY HPC SIMULATIONS OF COMPRESSORS IN OFF-DESIGN	Sebastian Krause, <i>Rolls-Royce</i>

MARINE, HYDRO, OIL&GAS SESSION

URANS & HYBRID RANS-LES SIMULATIONS OF THE FLOW AROUND A SURFACE VESSEL AT 10° STATIC DRIFT	Michel Visonneau, <i>École Centrale de Nantes</i>
WHAT'S NEW IN OUR MARINE SOLUTIONS	Benoit Mallo, <i>NUMECA International</i>
ANALYSIS OF THE VENTILATED FLOW ON A SURFACE-PIERCING HYDROFOIL	Martina Andrun, <i>University of Split</i>
VALIDATION OF A NOVEL APPROACH TO FULL SCALE SELF-PROPULSION NUMERICAL SIMULATIONS	Marco Bovio, <i>LeadingEDGE Marine Engineering</i>

Coffee break

CENTRIFUGAL COMPRESSOR WITH SEMI-OPENED AXIRADIAL IMPELLERS MODERNIZATION	Vladimir Neverov, <i>Entechmach</i>
CIRCUMFERENTIAL PRESSURE DISTORTION INDUCED BY A CENTRIFUGAL COMPRESSOR'S EXTERNAL VOLUTE	Thomas Ceyrowsky, <i>MAN Energy Solutions</i>
OPTIMIZATION OF A RADIAL COMPRESSOR AT TWO OPERATING POINTS	Edward P. Childs, <i>Concepts NREC</i>

AN OVERVIEW OF RECENT CFD APPLICATIONS AT DAMEN SHIPYARDS	Jouke de Baar, <i>Damen Shipyards</i>
HULL RESISTANCE AND PROPULSIVE COEFFICIENTS IN SHALLOW WATER WITH FINE/MARINE	Eloïse Croonenborghs, <i>SINTEF</i>
USE OF CFD ON HIGH-SPEED CRAFTS AT SEASPEED	Ie-bum Shin, <i>Seaspeed Marine Consulting</i>

SESSIONS END at 17:00h

PARALLEL SESSIONS



Wednesday October 17th

START OF MEETINGS at 09:00h

PLENARY SESSION

QUO VADIS TURBOMACHINERY CFD? A PERSONAL PERSPECTIVE	Prof. Marius Swoboda, <i>Rolls-Royce</i>
ENABLING OPTIMIZATION IN THE CLOUD	Aji Purwanto, <i>NUMECA International</i>
HOW CFD BECAME AN INTEGRATED PART OF OUR DESIGN SPIRAL	Tijmen Maas Geesteranus, <i>Van Oossanen Naval Architects</i>
SOLUTIONS FOR FULL ENGINE SIMULATION	Yannick Baux, <i>NUMECA International</i>

Coffee break

WHAT'S NEW IN OPTIMIZATION	Yannick Baux, <i>NUMECA International</i>
OPTIMIZATION CASE STUDIES: TURBOMACHINERY – MARINE - MULTIPHYSICS	Benoit Mallo, <i>NUMECA International</i>
	Thomas Hildebrandt, <i>NUMECA Ingenieurbüro</i>
	Yannick Baux, <i>NUMECA International</i>

LUNCH

PARALLEL SESSIONS

<u>TURBO, AERO & MULTIPHYSICS SESSION</u>		<u>MARINE, HYDRO, OIL&GAS SESSION</u>	
MODELING NASAL CAVITIES WITH OMNIS™/LB	William Keustermans, <i>Universiteit Antwerpen</i>	USER DEFINED THRUST DISTRIBUTIONS FOR DUCTED ACTUATOR DISKS	Harry Linskens, <i>DEKC Maritime</i>
CFD NUMERICAL MODELING AND MEASUREMENT RESOLUTION OF A ROTARY KILN APPLICATION	Cosmin Katona, <i>Europem</i>	APPLICATIONS OF HYDRODYNAMIC SHIP DESIGN WITH CFD	Alex Kruijswijk, <i>Royal IHC</i>
USING THE NONLINEAR HARMONIC METHOD FOR THE PREDICTION OF FORCED RESPONSE VIBRATIONS	Nikola Kovachev, <i>University of Stuttgart</i>	ANALYSIS OF THE INFLUENCE OF BILGE KEELS ON MANEUVERING BY MEANS OF VIRTUAL ZIG-ZAG TEST	Xin Gao, <i>TU Berlin</i>

WORKSHOP SESSIONS WITH COFFEE AND SNACKS

SESSIONS END at 16:30h