Hotel Del Sol

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Operating all-year-round, De Sol Hotel & Spa boasts 38 luxury rooms and 7 exclusive suites with private heated pools. Just a breath from Fira town, this is a splendid accommodation option for those who seek to combine easy and smooth connectivity alongside high class services and facilities.

Biennial Symposium on Measuring Techniques in Turbomachinery

Coffee Breaks, Lunches and Dinners

Coffee and Tea Breaks at the conference venue (morning and afternoon).

Lunches will be provided in cooperation with Ladocola Restaurant



Dinners will be provided in cooperation with Kaliya Restaurant



Santorini, Greece 21 – 22 September 2020



Sunday 20 September 2020

19:00	Welcome Event at Kaliya
	www.kaliya-restaurant.com

Monday 21 September 2020

9:00 Registration

9:15 MTTXXV Opening Ceremony

Session A1 09:30 - 11:00 / Chair: A.I.Kalfas

ON DIRECTIONAL SENSITIVITY OF THERMO-ANEMOMETER SPLIT-FIBER PROBES 9:30 Jan Lepicovsky Institute of Thermomechanics, Czech Academy of Sciences, Prague, Czech Republic DIRECT INDUCER CAVITATION INSTABILITY IDENTIFICATION USING HIGH SPEED VISUALIZATION 10.00 Youngkuk Yoon, Seung Jin Song Department of Mechanical Engineering, Seoul National University, South Korea INFLUENCE OF EMITTER-RECEIVER NUMBER ON MEASUREMENT ACCURACY IN ACOUSTIC PYROMETRY 10:30 L. Ferrari, G. Caposciutti, G. Pasini, G. F. Frate, U. Desideri University of Pisa (DESTeC), Pisa, Italy 11:00 Coffee Break Session A2 11:15 - 12:45 / Chair: J.Lepikovsky FIVE HOLE PROBE ERRORS CAUSED BY FLUCTUATING INCIDENCE 11:15 John Coull, Tony Dickens, Henry Ng, José Serna University of Oxford, University of Cambridge, University of Liverpool, Universidad Politécnica de Cartagena IMPROVING GAS TURBINE EXPERIMENTS THROUGH ADDITIVELY MANUFACTURED INSTRUMENTATION 11:45 Tamara Guimarães Vectoflow GmbH, Penn State University, Germany OPTICAL AND HOT-FILM MEASUREMENTS OF THE BOUNDARY LAYER TRANSITION ON A NACA AIRFOIL 12:15 David Šimurda, Jindřich Hála, Martin Luxa, Tomáš Radnic Institute of Thermomechanics of the Czech Academy of Sciences, CR Lunch Break at Ladokolla 12:45 Session A3 14:15 - 15:45 / Chair: X.Ottavy ON TURBULENCE MEASUREMENTS WITH MULTI-SENSOR FAST RESPONSE AERODYNAMIC PROBES IN A HIGH-PRESSURE TURBINE 14:15 A.C. Chasoglou, P. Tsirikoglou, A.I. Kalfas, R.S. Abhari Limmat Scientific AG, Zürich, Switzerland Department of Mechanical Engineering, Aristotle University of Thessaloniki, Greece BIOMASS WOODCHIP TRACKING BY IMAGE ANALYSIS IN A MODEL OF A FIXED BED COMBUSTOR 14:45 Lorenzo Ferrari, Gianluca Caposciutti, Martin Higl, Bernhard Müller University of Pisa (DESTeC), Italy Kempten University of Applied Sciences, Germany ACCURACY IMPROVEMENT OF THE TRANSIENT HEATER FOIL TECHNIQUE FOR HEAT TRANSFER TESTS: PRELIMINARY RESULTS 15:15 Julian Schmid, Michele Gaffuri, Alexandros Terzis, Peter Ott, Jens von Wolfersdorf Group of Thermal Turbomachinery (GTT)EPFL, Lausanne, Switzerland Department of Mechanical Engineering, Stanford University, USA Institute of Aerospace Thermodynamics, University of Stuttgart, Germany 15:45 Tea Break Session A4 16:00 - 17:45 / Chair: P.Tsirikoglou EFFECT OF HEATING ON THE STABILITY OF THE THREE-DIMENSIONAL BOUNDARY LAYER FLOW OVER A ROTATING DISK 16:00 Stefan aus der Wiesche; Christian Helcig Muenster University of Applied Sciences Department of Mechanical Engineering, Technical University of Munich Department of Aerospace and Geodesy BOUNDARY LAYER STREAKS CONTROL IN BYPASS TRANSITION UTILISING PLASMA ACTUATORS 16:30 Konstantinos D. Eleftheriou, Kevin Gouder, Jonathan Morrison Department of Aeronautics, Imperial College London, UK A WIND TUNNEL TO ACCESS THE PERFORMANCE OF INERTIAL PARTICLE SEPARATION FOR TURBO-PROP AND TURBOSHAFT ENGINES 17:00 Stefano Castegnaro Von Karman Institute for Fluid Dynamics, Belgium

Tuesday 22 September 2020

Session	1 B5 09:00 - 10:30 / Chair: L.Ferrari
9:00	POD-BASED ANALYTICS AND PREDICTION IN SUPPORT OF THE CALIBRATION PROCESS OF FAST-RESPONSE AERODYNAMIC PROBES
	P. Tsirikoglou, A. C. Chasoglou, A. I. Kalfas, R. S. Abhari
	Limmat Scientific AG, Zurich, Switzerland
	Laboratory for Energy Conversion, ETH Zurich, Switzerland
	Department of Mechanical Engineering, Aristotle University of Thessaloniki, Greece
9:30	DESIGN OPTIMIZATION OF A NOVEL ORIFICE CONTROL VALVE FOR TURBOMACHINERY TESTING FACILITIES
	Alexandros Peteinaris, Anestis Kalfas
	Laboratory of Fluid Mechanics & Turbomachinery, Department of Mechanical Engineering, Aristotle University of Thessaloniki, Greece
10:00	INTERPRETATION OF STALL PRECURSOR SIGNATURES - STABLE INSTABILITIES
	Christoph Brandstetter, Xavier Ottavy, Sina Stapelfeldt
	Université de Lyon, Ecole Centrale de Lyon, CNRS, LMFA, ECULLY, France
	Imperial College, Department of Mechanical Engineering, London, UK
10:30	Coffee Break
Session	1 B6 10:45 - 12:15 / Chair: D. Šimurda
10:45	NON-INVASIVE LEAGAKE DETECTION AND LOCALISATION TECHNIQUE IN NOISY INDUSTRIAL ENVIRONMENT
	Theofilos G. Efstathiadis, Anestis I. Kalfas, Georgios P. Kousiopoulos, Georgios N. Papastavrou, Spiros Nikolaidis
	Department of Mechanical Engineering, Laboratory of Fluid Mechanics and Turbomachinery, Aristotle University of Thessaloniki, Greece
	Department of Electronics and Computers, School of Physics, Faculty of Sciences, Aristotle University of Thessaloniki, Greece
11:15	CONDUCTION AND INERTIA CORRECTION FOR TRANSIENT THERMOCOUPLE MEASUREMENTS. PART I: ANALYTICAL AND NUMERICAL MODELLING
-	Florian Seibold, Andreas Schwab, Victor Dubois, Rico Poser, Bernhard Weigand, Jens von Wolfersdorf
	Institute of Aerospace Thermodynamics (ITLR), University of Stuttgart, Germany
11:45	CONDUCTION AND INERTIA CORRECTION FOR TRANSIENT THERMOCOUPLE MEASUREMENTS. PART II: EXPERIMENTAL VALIDATION AND APPLICATION
	Tobias Krille, Rico Poser, Markus Diel, Jens von Wolfersdor
	University of Stuttgart, Germany
12:15	Lunch Break at Ladokolla
Session	187 13:45 - 15:15 / Chair: A.Terzis
13:45	COOLED PRESSURE PROBES DESIGN METHOLOGY FOR HARSH ENVIRONMENT APPLICATIONS
	Julien lickemaille
	Von Karman Institute for Fluid Dynamics, Belgium
14:15	BLADE OSCILLATION MECHANISM FOR AERODYNAMIC DAMPING MEASUREMENTS AT HIGH REDUCED FREQUENCIES
	Nenad Glodic, Carlos Tavera Guerrero, Mauricio Gutierrez Salas
	KTH Royal Institute of Technology, Sweden
14:45	ON THE APPLICATION OF BAYESIAN INTERFERENCE FOR TURBINE COMPONENTS ASSESSMENT
	Gonçalo Cruz
	Von Karman Institute for Fluid Dynamics, Belgium
15:30	MTTXXV Awards and Closing Ceremony