



European Turbomachinery
Conference



TENTATIVE PROGRAM 2019/30/01

13TH EUROPEAN TURBOMACHINERY CONFERENCE

8-12 APRIL 2019 LAUSANNE SWITZERLAND

TURBOMACHINERY FLUID DYNAMICS AND THERMODYNAMICS

MONDAY 8TH APRIL 2019

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10h15-11h15	INVITED LECTURE Advance in Radial Machines Prof. Zoltan Spakovszky – MIT		
	A-01 AXIAL TURBINES (I)	B-01 FANS (I)	C-01 VIBRATION, FLUTTER, AERO-ELASTICITY (I)
11h30-12h00	251	265	138
12h00-12h30	216	440	370
12h30-13h00	165	152	16
13h00-14h30	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>
	A-02 HEAT TRANSFER AND BLADE COOLING (I)	B-02 RADIAL COMPRESSORS (I)	C-02 EXPERIMENTAL TECHNIQUES
14h30-15h00	008	156	326
15h00-15h30	310	38	426
15h30-16h00	375	304	253
16h00-16h30	<i>Coffee break</i>	<i>Coffee break</i>	<i>Coffee break</i>
	A-03 COMPRESSORS: NUMERICAL ANALYSIS	B-03 STEAM TURBINES	C-03 WIND TURBINES
16h30-17h00	190	350	234
17h00-17h30	331	135	188
17h30-18h00	418	153	174

TUESDAY 9TH APRIL 2019

8h30-9h30	INVITED LECTURE Some perspectives in low pressure compressors design brought by emerging CFD technologies Dr Stéphane Hiernaux – Safran Group		
9h30-10h00	<i>Coffee break</i>	<i>Coffee break</i>	<i>Coffee break</i>
	A-04 AXIAL COMPRESSORS (I)	B-04 DESIGN AND OPTIMISATION (I)	C-04 MODELLING OF PHYSICAL PHENOMENA (I)
10h00-10h30	202	263	327
10h30-11h00	178	48	37
11h00-11h30	382	215	389
11h30-12h00	70	242	111
12h00-12h30		264	218
12h30-14h00	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>



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	A-05 RADIAL COMPRESSORS (II)	B-05 COMBUSTOR - TURBINE INTERACTION	C-05 PUMPS (I)
14h00-14h30	303	50	388
14h30-15h00	171	100	357
15h00-15h30	143	293	386
15h30-16h00	257	230	228
16h00-16h30	<i>Coffee break</i>	<i>Coffee break</i>	<i>Coffee break</i>

	A-06 HYDRAULIC TURBINES	B-06 DIFFUSERS	C-06 FANS (II)
16h30-17h00	123	55	195
17h00-17h30	381	115	306
17h30-18h00	244	61	110

WEDNESDAY 10TH APRIL 2019

8h30-9h30	INVITED LECTURE Role and Challenges of CFD in the Design of Gas Turbines Dr. Raul Vazquez – <i>Rolls-Royce</i>		
9h30-10h00	<i>Coffee break</i>	<i>Coffee break</i>	<i>Coffee break</i>

	A-07 HEAT TRANSFER AND BLADE COOLING (II)	B-07 DESIGN AND OPTIMISATION (II)	C-07 NOVEL TEST RIGS
10h00-10h30	119	307	105
10h30-11h00	158	104	6
11h00-11h30	226	212	35
11h30-12h00	42	322	439
12h00-12h30	252	432	247
12h30-14h00	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>

	A-08 VIBRATION, FLUTTER, AERO-ELASTICITY (II)	B-08 DESIGN, ANALYSIS AND PERFORMANCE-TURBINE	C-08 INNOVATIVE EDUCATION IN TURBOMACHINERY
14h00-14h30	44	185	
14h30-15h00	352	4	
15h00-15h30	199	438	
15h30-16h00	51	30	
16h00-16h30	<i>Coffee break</i>	<i>Coffee break</i>	<i>Coffee break</i>

	A-09 TURBINES: SECONDARY, TIP CLEARANCE AND LEAKAGE FLOWS
16h30-17h00	19
17h00-17h30	78
17h30-18h00	2



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THURSDAY 11TH APRIL 2019

8h30-9h30	INVITED LECTURE Flutter in Compressor Theory and Numerics Prof. Pascal Ferrand – LMAF/ECL		
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9h30-10h00	<i>Coffee break</i>	<i>Coffee break</i>	<i>Coffee break</i>
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	A-10 COMPRESSORS: UNSTEADY FLOWS AND STALL	B-10 MODELLING OF PHYSICAL PHENOMENA (II)	C-10 TURBINES: UNSTEADY FLOWS AND BLADE-ROW INTERACTIONS
10h00-10h30	219	240	184
10h30-11h00	330	141	351
11h00-11h30	371	211	412
11h30-12h00	285	136	413
12h00-12h30		366	
12h30-14h00	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>

	A-11 RADIAL TURBINES	B-11 AERO-ACOUSTICS, NOISE GENERATION AND REDUCTION	C-11 HYDRAULIC TURBINES (II)
14h00-14h30	114	368	434
14h30-15h00	17	150	436
15h00-15h30	21	71	378
15h30-16h00	324	80	313
16h00-16h30	<i>Coffee break</i>	<i>Coffee break</i>	<i>Coffee break</i>

	A-12 AXIAL TURBINES(II)	B-12 RADIAL COMPRESSORS (III)	C-12 FANS (III)
16h30-17h00	338	437	140
17h00-17h30	164	431	311
17h30-18h00	408	329	399

FRIDAY 12TH APRIL 2019

8h30-9h30	INVITED LECTURE The Pathway forward for Gas and Steam Turbines in a world of increasing renewable source Dr. Michael Ladwig – EUTurbine		
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9h30-10h00	<i>Coffee break</i>	<i>Coffee break</i>	<i>Coffee break</i>
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	A-13 HEAT TRANSFER AND BLADE COOLING (III)	B-13 VIBRATION, FLUTTER, AERO-ELASTICITY (III)	C-13 PUMPS (II)
10h00-10h30	314	224	76
10h30-11h00	204	32	316
11h00-11h30	236	88	343
11h30-12h00	243	56	47
12h00-12h30	155		11
12h30-12h45	<i>Closing Ceremony</i>		