

# Technical Program

Thursday, 11<sup>th</sup> December 2014 (Day 0)

TIME	VENUE	SESSION
18:00 – 20:00	-	Registration

Friday, 12<sup>th</sup> December 2014 (Day 1)

TIME	VENUE	SESSION (PAPER NUMBER)
08:00 – 08:30	L-16 Foyer	Registration
08:30 – 09:30	L-16	Inauguration
09:30 – 10:30	L-16	Plenary (Prof. M. G. Worster)
10:30 – 11:00	L-16 Foyer	Tea
11:00 – 12:00	L-16	Keynote (S. Pandian)
12:00 – 13:30	L – 9	A. Fundamental Issues and Perspective in Fluid Mechanics (50, 89, 101, 144, 152, 180)
	L – 10	C. Computational Fluid Dynamics (30, 42, 67, 636, 640, 659)
	L – 11	C. Computational Fluid Dynamics (137, 153, 711, 714, 721, 723)
	L – 12	D. Instability, Transition and Turbulence (31, 38, 47, 71, 74)
	L – 13	E. Turbomachinery (36, 68, 122, 174, 208)
	L – 14	F. Multiphase Flow (72, 88, 132, 135, 166, 179)
	L – 15	G. Fluid-structure Interaction and Flow-induced Noise (100, 104, 147, 176, 332, 442)
	L – 16	K6. Nuclear Reactor Thermal Hydraulics (51, 96, 115, 129, 130, 131)
13:30 – 14:30	L-16 Foyer	Lunch
14:30 – 15:30	L-16	Keynote (Dr. R. R. Sonde)

<b>TIME</b>	<b>VENUE</b>	<b>SESSION (PAPER NUMBER)</b>
15:30 – 16:00	L-16 Foyer	Tea
16:00 – 17:30	L – 9	A. Fundamental Issues and Perspective in Fluid Mechanics (219, 233, 245, 451)
	L – 10	C. Computational Fluid Dynamics (175, 184, 193, 197)
	L – 11	C. Computational Fluid Dynamics (199, 218, 240, 242)
	L – 12	D. Instability, Transition and Turbulence (168, 172, 221, 227)
	L – 13	E. Turbomachinery (210, 211, 235, 310)
	L – 14	F. Multiphase Flow (76, 185, 204, 238, 502)
	L – 15	G. Fluid-structure Interaction and Flow-induced Noise (450, 453, 547, 651)
	L – 16	K6. Nuclear Reactor Thermal Hydraulics (161, 216, 325)
16:00 – 18:00	LHC Foyer	<p style="text-align: center;"><b>POSTERS</b></p> <p>A. Fundamental Issues and Perspective in Fluid Mechanics (78, 289, 429, 484, 712)</p> <p>B. Measurement Techniques and Instrumentation (32, 97, 121, 587, 695)</p> <p>C. Computational Fluid Dynamics (29, 37, 41, 60, 95, 170, 189, 215, 252, 297, 351, 672, 677, 683, 686, 701, 705, 725, 726)</p> <p>D. Instability, Transition and Turbulence (77, 112, 226, 333, 387, 407)</p> <p>E. Turbomachinery (403, 556, 646)</p>
18:30 – 20:30	Main Auditorium	Cultural Program
20:30 onwards	Main Auditorium	Conference Dinner

## Saturday, 13<sup>th</sup> December 2014 (Day 2)

<b>TIME</b>	<b>VENUE</b>	<b>SESSION (PAPER NUMBER)</b>
08:30 – 09:30	L-16	Keynote (Prof. Ing. hab Markus Raffel)
09:30 – 10:30	L-16	Keynote (Prof. Jocelyn Bonjour)
10:30 – 11:00	L-16 Foyer	Tea

<b>TIME</b>	<b>VENUE</b>	<b>SESSION (PAPER NUMBER)</b>
11:00 – 12:00	L – 9	A. Fundamental Issues and Perspective in Fluid Mechanics (476, 482, 489, 731)
	L – 10	C. Computational Fluid Dynamics (271, 276, 277, 286, 375)
	L – 11	C. Computational Fluid Dynamics (386, 400, 410, 418, 420)
	L – 12	D. Instability, Transition and Turbulence (521, 550, 570, 571)
	L – 13	E. Turbomachinery (377, 465, 474, 494)
	L – 14	F. Multiphase Flow (522, 524, 526, 549)
	L – 15	G. Fluid-structure Interaction and Flow-induced Noise (239, 280, 658, 660, 692)
	L – 16	K6. Nuclear Reactor Thermal Hydraulics (428, 436, 460, 504)
12:00 – 13:30	L – 9	A. Fundamental Issues and Perspective in Fluid Mechanics (251, 258, 275, 283, 287, 290)
	L – 10	C. Computational Fluid Dynamics (427, 432, 459, 463, 467, 519)
	L – 11	C. Computational Fluid Dynamics (515, 527, 528, 531, 557, 591)
	L – 12	D. Instability, Transition and Turbulence (230, 288, 419, 440, 452, 455)
	L – 13	E. Turbomachinery (536, 552, 618, 648, 655, 685)
	L – 14	F. Multiphase Flow (244, 285, 306, 434, 448, 477)
	L – 15	K6. Nuclear Reactor Thermal Hydraulics (505, 507, 508, 563, 608, 631)
	L – 16	B. Measurement Techniques and Instrumentation (370, 389, 421, 425, 435, 475, 542)
13:30 – 14:30	L-16 Foyer	Lunch
14:30 – 15:30	L-16	Keynote (Prof. Sumanta Acharya)
15:30 – 16:00	L-16 Foyer	Tea
16:00 – 18:00	LHC Foyer	<b>POSTERS</b>
		H. Micro Fluidics (81, 110, 111, 167, 291, 366, 376, 378, 541, 579, 605, 722)
		I. Bio-inspired Fluid Mechanics (164, 600, 717)
		J. IC Engines and Gas- turbines (151, 201, 207, 270, 323, 345, 362, 447, 464, 713)
		F. Multiphase Flow (43, 140, 146, 162, 163, 198, 203, 222, 278)

<b>TIME</b>	<b>VENUE</b>	<b>SESSION (PAPER NUMBER)</b>
16:00 – 17:00	L-9	A. Fundamental Issues and Perspective in Fluid Mechanics (371, 491, 534, 535)
	L – 10	C. Computational Fluid Dynamics (588, 595, 649, 650)
	L – 11	C. Computational Fluid Dynamics (70, 644, 684, 718)
	L – 12	D. Instability, Transition and Turbulence (485, 576, 619, 623)
	L – 13	E. Turbomachinery (690, 700, 703, 730)
	L – 14	F. Multiphase Flow (551, 583, 625, 657)
	L – 15	H. Micro Fluidics (466, 500, 652, 654, 656, 704)
	L – 16	B. Measurement Techniques and Instrumentation (680, 681, 682, 707, 724)
17:00 – 18:00	L – 9	A. Fundamental Issues and Perspective in Fluid Mechanics (664, 671, 702, 734, 716)
	L – 10	C. Computational Fluid Dynamics (673, 674, 699, 706, 710)
	L – 11	C. Computational Fluid Dynamics (596, 620, 668, 678, 679)
	L – 12	K3. MHD and EHD flows (91, 250, 260, 321, 324)
	L – 13	J. IC Engines and Gas Turbines (143, 393, 413, 437, 573, 670, 709)
	L – 14	F. Multiphase Flow (665, 691, 694, 697)
	L – 15	H. Micro Fluidics (39, 53, 98, 165, 309, 343, 384, 405)
	L – 16	B. Measurement Techniques and Instrumentation (80, 139, 214, 263, 313, 365)
17:30 – 18:30	L – 4	General Body Meeting (NSFMFP)
18:30 – 20:30	Main Auditorium	Cultural Program
20:30 onwards	Main Auditorium	Conference Dinner

### **Sunday, 14<sup>th</sup> December 2014 (Day 3)**

<b>TIME</b>	<b>VENUE</b>	<b>SESSION (PAPER NUMBER)</b>
08:30 – 09:30	L-16	Keynote (Dr. Ashok Gopinath)

<b>TIME</b>	<b>VENUE</b>	<b>SESSION (PAPER NUMBER)</b>
09:30 – 10:00	L-16 Foyer	Tea
10:00 – 12:30	L – 9	K2. Transport Phenomena in Materials Processing and Manufacturing Processes (187, 266, 284, 353, 364, 390, 422)
	L – 10	C. Computational Fluid Dynamics (54, 79, 85, 116, 149, 630)
	L – 11	I. Bio-inspired Fluid Mechanics (90, 307, 490, 538, 564, 594)
	L – 12	K1. Non-Newtonian Fluid Flow (61, 103, 327)
	L – 13	K3. MHD and EHD flows (431, 469, 696, 715)
	L – 14	J. IC Engines and Gas Turbines (209, 234, 236, 243, 247, 257, 361)
	L – 15	K4. Granular flows (628, 641, 693)
	L – 16	K5. Power Plant Engineering (55, 138, 178, 183, 385, 661, 662, 666)
10:00 – 12:00	LHC Foyer	<p style="text-align: center;"><b>POSTERS</b></p> <p>K2. Transport Phenomena in Materials Processing and Manufacturing Processes (537)</p> <p style="padding-left: 40px;">K1. Non-Newtonian Fluid Flow (56, 120)</p> <p style="padding-left: 40px;">F. Multiphase Flow (293, 296, 337, 454, 471, 568, 635, 647, 669, 728)</p> <p style="padding-left: 40px;">K3. MHD and EHD flows (94, 265)</p> <p style="padding-left: 40px;">K4. Granular flows (225, 585)</p> <p>K5. Power Plant Engineering (141, 148, 150, 397, 483, 503, 578, 667)</p> <p style="padding-left: 40px;">K6. Nuclear Reactor Thermal Hydraulics (118, 155, 171, 192, 331, 360, 430, 481, 506, 509, 606, 609, 637, 653)</p>
12:30 – 13:00	L-16	Valedictory Function
13:00 onwards	L-16 Foyer	Lunch