

**LIST OF APPROVED GIAN COURSES FROM IITM AS ON JULY TO DECEMBER 2017**

S. NO	GIAN ID	TITLE	HOST FACULTY	EMAIL ID	CONTACT NO	INTERNATIONAL FACULTY	Duration	Postponed date	NO. OF WEEKS	REMARKS
1	171003G04	Robot Motion Planning	Prof. Sourav Rakshit (ME)	srakshit@iitm.ac.in	4693	Prof. Srinivas Akella, University of North Carolina at Charlotte United States of America	31st July to 4th August 2017		1	Course completed
2	171003K08	Fractal Geometry: Foundations to Frontiers	Prof. Arya Kumar Bedabrata Chand (MA)	chand@iitm.ac.in	4629	PD Dr. Peter Massopust, Technische Universität München, Germany	14th August to 31st August 2017		2	Course completed
3	171003L09	Combustion in Engines	Dr. V. Raghavan (ME)	raghavan@iitm.ac.in	4712	Prof. Malcolm Lawes, University of Leeds United Kingdom	4th September to 11th September 2017		1	Course completed
4	171003A01	Innovative Digital Tools enabled Product Design	Prof. Raghu V Prakash (ME)	<a href="mailto:raghuprakash@iitm.ac.in">raghuprakash@iitm.ac.in</a>	4694	Prof Monica Bordegoni, Politecnico di Milano Italy	2nd Oct, 2017 - 7th Oct, 2017	Postponed date	1	
5	171003L13	Refrigeration technology with natural working fluids, specialisation on R744 (CO2)	M.P.Maiya (ME)	<a href="mailto:mpmaiya@iitm.ac.in">mpmaiya@iitm.ac.in</a>	4665	Prof Armin HAFNER, Norwegian University of Science and Technology Norway	9th Oct, 2017 - 13th Oct, 2017		1	

6	171003L18	Welding Metallurgy and Weldability of Steels and Stainless Steels	Dr. G.D. Janaki Ram (MME)	<a href="mailto:jram@iitm.ac.in">jram@iitm.ac.in</a>	4780	Prof Leijun Li, University of Alberta Canada	11th Dec - 15th Dec, 2017		1	
7	171003L06	Shockwave Reflection Phenomena	Dr. G Rajesh (AE)	<a href="mailto:grajesh@iitr.ac.in">grajesh@iitr.ac.in</a>	4032	Prof Gabi Ben-Dor, Ben-Gurion University of the Negev, Beer Sheva Israel	1st Jan - 12th Jan, 2018		2	
8	171003L02	Large Eddy Simulation of Turbulence: Fundamentals and Applications	Prof. K. Arul Prakash (AM)	<a href="mailto:arul@iitm.ac.in">arul@iitm.ac.in</a>	4066	Prof. Olivier Metais, Grenoble Institute of Technology France	30th October to 3rd November 2017		1	
9	171003L01	Nonlinear Fracture Mechanics and Applications Structural Integrity Assessment	Raghu V Prakash (ME)	<a href="mailto:raghuprakash@iitm.ac.in">raghuprakash@iitm.ac.in</a>	4694	Prof Ashok Saxena, Provost and Vice Chancellor for Academic Affairs, University of Arkansas Fayetteville, AR 72701, USA, United States of America	6th Nov, 2017 - 11th Nov, 2017		1	

10	171003L17	Welding Metallurgy and Weldability of Non-Ferrous Alloys	Dr. G.D. Janaki Ram	<a href="mailto:jram@iitm.ac.in">jram@iitm.ac.in</a>	4780	Prof Sudarsanam Suresh Babu, University of Tennessee, Knoxville United States of America	11th to 15th December, 2017		1	
11	171003L23	Internal length gradient mechanics across scales, materials/processes and disciplines	Dr. Sundararajan Natarajan (ME)	<a href="mailto:snatarajan@iitm.ac.in">snatarajan@iitm.ac.in</a>	4656	Prof Elias C Aifantis, Aristotle University Greece	15th Nov, 2017 - 23rd Nov, 2017		2	
12	171003L11	Continuum Mechanics of Dislocations Leading to Plasticity	<b>Dr. Parag Ravindran (ME)</b>	<a href="mailto:paragr@iitm.ac.in">paragr@iitm.ac.in</a>	Mob: 944498176 5 Ex No: 4714	Prof Amit Acharya, Carnegie Mellon University United States of America	18th Dec, 2017 - 29th Dec, 2017		2	
13	171003K09	FROM SUBDIVISION TO WAVELETS AND FRACTALS	Prof. Arya Kumar Bedabrata Chand (MA)	<a href="mailto:chand@iitm.ac.in">chand@iitm.ac.in</a>	4629	Prof David Levin, Tel-Aviv University Israel	11th Dec, 2017 - 17th Dec, 2017		1	
14	171003L32	Rheology of Bituminous Materials	J. Murali Krishnan(CE)	<a href="mailto:jmk@iitm.ac.in">jmk@iitm.ac.in</a>	4284	Prof K R Rajagopal, Texas A&M United States of America	11th Dec, 2017 - 15th Dec, 2017	Next Jan 2018	1	

15	171003D02	Quantum error correction and its relations to statistical physics	Dr. Pradeep Kiran Sarvepalli (EE)	<a href="mailto:sarvepalli@iitm.ac.in">sarvepalli@iitm.ac.in</a>	4473	Prof David Poulin, Universite? de Sherbrooke Canada	22th -26th Dec, 2017		1
16	171003D03	Emerging Computational Devices, Architectures and Computational Models	Prof. Madhu Mutyam (CSE)	<a href="mailto:mutyam@iitm.ac.in">mutyam@iitm.ac.in</a>	4379	Prof Vijaykrishnan Narayanan, Universite? de Sherbrooke Canada	11th Dec, 2017 - 15th Dec, 2017		1
17	171003D01	Coupling-Matrix Design of Advanced RF/Microwave Filters	<b>Amitava DasGupta (CSE)</b>	<a href="mailto:adg@iitm.ac.in">adg@iitm.ac.in</a>	4416	Prof Dimitrios Peroulis, Purdue University United States of America	11th Dec, 2017 - 16th Dec, 2017		1
18	171003K10	INSTABILITY METHODS IN HYDRODYNAMIC S	<b>R.USHA (MA)</b>	<a href="mailto:ushar@iitm.ac.in">ushar@iitm.ac.in</a>	4611	<b>Prof Matthew Juniper, University of Cambridge United Kingdom</b>	18th Dec, 2017 - 22nd Dec, 2017		1
19	171003L27	Analysis and Design of Piezoelectric Vibration Energy Harvesters	Shaikh Faruque Ali (AM)	<a href="mailto:sfali@iitm.ac.in">sfali@iitm.ac.in</a>	4054	Prof Sondipon Adhikari, Swansea University United Kingdom	30th October to 3rd November 2017		1

20	171003K12	Minors and Homomorphism: Correlation	Narayanan N (BT)	<a href="mailto:naru@iitm.ac.in">naru@iitm.ac.in</a>	4605	Dr Reza Naserasr, Institut de Recherche en Informatique Fondamentale France	20th Jan, 2018 - 02nd Feb, 2018			2
21	171003C06	Weather Radar and Hydrology	Balaji Narasimhan (CE)	<a href="mailto:nbalaaji@iitm.ac.in">nbalaaji@iitm.ac.in</a>	4293	Prof V Chandrasekar, Colorado State University United States of America	5th Sep, 2017 - 16th Sep, 2017	Postponed date		2
22	171003K11	Mathematical Foundations of Signal Analysis (A fresh look at Harmonic Analysis)	Prof.R.Radha (MA)	<a href="mailto:radharam@iitm.ac.in">radharam@iitm.ac.in</a>	4620	Hans G Feichtinger, University of Vienna Austria	08th Jan - 20th Jan, 2018			2
23	171003K04	Matrices with Positive Principal Minors: Theory and Applications	Prof. K.C. Sivakumar	<a href="mailto:kcskumar@iitm.ac.in">kcskumar@iitm.ac.in</a>	4622	Michael John Tsatsomeros, Washington State University United States of America	18th Dec, 2017 - 22nd Dec, 2017			1

24	171003K06	Advanced Mathematical Methods for Real Data Analysis: from Partial Differential Equations approach to Time Series Modelling	Prof.S. Sundar (MA)	<a href="mailto:slnt@iitm.ac.in">slnt@iitm. ac.in</a>	4618	Agnieszka Wylomanska, Chair of Applied Mathematics Poland	1st Dec, 2017 - 7th Dec, 2017	doubt	1	
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