

Wednesday 20 November 2019			
Time	Programme session		
08:00-09:00	Registration (Secretariado)		
09:00-09:20	Opening Session (Auditorio E)		
09:20-10:20	Keynote-1: Elon Rimon (Auditorio E)		
10:20-10:40	Coffee- break (Dining Room)		
10:40-13:00	Session Wm1 (Auditorio E)	Session Wm2 (Sala de Atos)	Session Wm3 (Sala de Reuniões)
10:40-11:00	26	21	30
11:00-11:20	33	22	36
11:20-11:40	38	35	122
11:40-12:00	50	53	131
12:00-12:20	55	87	32
12:20-12:40	89	107	103
12:40-13:00	99		
13:00-14:00	Lunch (Restaurant)		
14:00-15:00	Keynote-2: Luis Merino (Auditorio E)		
15:00-16:40	Session Wa1 (Auditorio E)	Session Wa2 (Sala de Atos)	Session Wa3 (Sala de Reuniões)
15:00-15:20	47	59	46
15:20-15:40	64	82	94
15:40-16:00	86	90	102
16:00-16:20	98	155	144
16:20-16:40	106		
16:20-16:40	Coffee- break (Dining Room)		
16:40-18:20	Session We1 (Auditorio E)	Session We2 (Sala de Atos)	Session We3 (Sala de Reuniões)
16:40-17:00	54	19	68
17:00-17:20	74	25	114
17:20-17:40	84	34	123
17:40-18:00	91	73	138
18:00-18:20	110	76	142
18:30-19:00	Laboratory Tour		
Visit to INESC TEC CRAS research laboratory.			
19:00-20:30	Welcome reception		
Welcome reception.			

Thursday 21 November 2019			
Time	Programme session		
08:00-09:00	Registration (Secretariado)		
09:00-10:00	Keynote-3: Nuno Lau (Auditorio E)		
10:00-10:20	Coffee- break (Dining Room)		
10:20-12:20	Session Tm1 (Auditorio E)	Session Tm2 (Sala de Atos)	Session Tm3 (Sala de Reuniões)
10:20-10:40	24	40	20
10:40-11:00	31	51	28
11:00-11:20	58	69	70
11:20-11:40	63	75	71
11:40-12:00	81	104	72
12:00-12:20	108	116	80
12:20-14:00	Lunch (Restaurant)		
14:00-16:00	Session Ta1 (Auditorio E)	Session Ta2 (Sala de Atos)	Session Ta3 (Sala de Reuniões)
14:00-14:20	112	118	85
14:20-14:40	135	120	95
14:40-15:00	141		119
15:00-15:20	127	62	126
15:20-15:40	128	130	147
15:40-16:00	146	149	150
16:00-16:20	Coffee- break (Dining Room)		
16:30-17:30	Laboratory Tour		
Visit to INESC TEC CRIS research laboratory.			
17:30-20:00	Porto City Tour		
City tour to the main spots in Porto and guided tour to the Port Wine Cellars.			
20:00 - 23:30	Banquet		
Conference banquet.			

Note: Numbers in the presentation slots are ID#s of papers

Friday 22 November 2019			
Time	Programme session		
08:00-09:00	Registration (Secretariado)		
09:00-10:00	Keynote-4: Mirko Kovac (Auditorio E)		
10:00-10:20	Coffee- break (Dining Room)		
10:20-12:40	Session Fm1 (Auditorio E)	Session Fm2 (Sala de Atos)	Session Fm3 (Sala de Reuniões)
10:20-10:40	43	23	29
10:40-11:00	45	52	41
11:00-11:20	56	57	113
11:20-11:40	92	66	132
11:40-12:00	93	88	140
12:00-12:20			32
12:20-12:40		97	103
12:40-14:00	Lunch (Restaurant)		
14:00-15:00	Keynote-5: Gianni A. Di Caro (Auditorio E)		
15:00-16:20	Session Fa1 (Auditorio E)	Session Fa2 (Sala de Atos)	Session Fa3 (Sala de Reuniões)
15:00-15:20	100	117	61
15:20-15:40	111	136	83
15:40-16:00	115	139	121
16:00-16:20	125	143	156
16:20-16:40	Closing Session (Auditorio E)		
16:50-18:00	Farewell cocktail		
Farewell cocktail.			

Colour Map:

Keynote Address
Laboratory Visits
Social Program
Mobile Robots for Industrial Environments
Intelligent Perception and Manipulation
General Robotics
Collaborative robots for industry applications
Radar-based applications for robotics
Simulation in Robotics
Machine Learning in Robotics
Agricultural Robotics and Field Automation
Future Industrial Robotics
Rehabilitation and Assistive Robotics I
Autonomous Driving and Driver Assistance Systems
Aerial Robotics for Inspection and Maintenance
XXth Workshop on Physical Agents
Autonomous Sailboats and Support Technologies
Educational Robotics
Core concepts for an Ontology for Autonomous Robotics
Field Robotics In Challenging Environments