IEEE RO-MAN 2023 Program at a Glance

							August	28~31, 2023 /	Paradise Hotel	, Busan, Kore
Time	Track T1	Track T2	Track T3	Au Track T4	ig 28 (Mon) Track T5	Track T6	Track T7	Lobby	Lobby	Optional Tour
	(Sicily, 1F) [MoAT1] Ontologies for Autonomous	(Grand Ballroom, 2F)	(Capri, 2F) [MoAT3] Human-like Computing for Safe Collaborative Robots	(Sydney, 2F) [MoAT4] HRI for Explainable	(Miami, 2F) [MoAT5] The 1st Workshop on	(Venice, 2F) [MoAT6] Speech-based	(Panorama, 16F)	(2F)	(2F)	Optional Four
09:00~12:00 (180')	Robotics (RobOntics)		in Manufacturing and Healthcare	Robotics	Learning by Asking for Intelligent Robots and Agents	Communication for Robots and Systems				
12:00~13:30 (90')	[MoRT2]								Day Tour	
13:30~16:30 (180')	[MoBT1] Ontologies for Autonomous Robotics (RobOntics)		Human-like Computing for Safe Collaborative Robots in Manufacturing and Healthcare	[MoBT4] Surgical Robots, Robot Vision, and 4D Human Models for Healthcare	[MoBT5] Second Edition of Workshop in Care Robots for Older Adults (CROA)	[MoBT6] GROUND: Advancing GROup UNderstanding and Robots' aDaptive Behavior	[MoBT7] HRI4Wellbeing: Applications in the Real World			(09:00~18:00)
17:30~21:30 (240')		Welcome Reception (with Cruise)								
	Track T1	Track T2	Track T3	Arack T4	ug 29 (Tue) Track T5	Track T6	Track T7	Lobby	Lobby	
09:00~09:10 (10')	(Sicily, 1F)	(Grand Ballroom, 2F) Opening Ceremony	(Capri, 2F)	(Sydney, 2F)	(Miami, 2F)	(Venice, 2F)	(Panorama, 16F)	(2F)	(2F)	Optional Tour
09:10~10:10 (60')		Keynote Speech by Alessandra Sciutti								
10:10~10:20 (10')		Alossardra Colutti	Coffee	Break						
10:20~11:20 (60')	[TuAT1] HRI in Academia and Industry: Bridging the Gap I		[TuAT3] Creating Human-Robot Relationships	[TuAT4] Non-Verbal Cues and Expressiveness I	[TuAT5] Innovative Robot Designs I	[TuAT6] Novel Interfaces and Interaction Modalities I				
11:20~11:30 (10')			Coffee	Break						
	[TuBT1]			[TuBT4]	[TuBT5]	[TuBT6]				
11:30~12:40 (70')	HRI in Academia and Industry: Bridging the Gap II		[TuBT3] Assistive Robotics I	Non-Verbal Cues and Expressiveness II	Innovative Robot Designs II	Novel Interfaces and Interaction Modalities II				
12:40~14:00 (80')	Lunch Robot Design Exhibition									
14:00~14:40 (40')	[TuCT1] Humanoid Robots in Healthcare: Exploring Real World Applications		[TuCT3] Assistive Robotics II	[TuCT4] Applications of Social Robots I	[TuCT5] Motion Planning and Navigation in Human- Centered Environments I	[TuCT6] Novel Interfaces and Interaction Modalities III		Competition		
14:40~15:20 (40')	[TuDT1] SARCHA: Socially-Assistive Robots in Clinical and Healthcare Applications		[TuDT3] Assistive Robotics III	[TuDT4] Applications of Social Robots II	[TuDT5] Motion Planning and Navigation in Human- Centered Environments II	[TuDT6] Novel Interfaces and Interaction Modalities IV				
15:20~15:30 (10')			Coffee	Break						
15:30~16:30 (60')	[TuPO] Poster Session (LBR)									
16:30~16:40 (10')			Coffee	Break						
16:40~18:10 (90')	[TuET1] Social Human-Robot Interaction of Human-care Service Robots		[TuET3] Mental Models of the Human User in Social HRI	[TuET4] Applications of Social Robots III	[TuET5] Motion Planning and Navigation in Human- Centered Environments III	[TuET6] Robot Perception for Interaction and Communication				OP 2 Night Tour (17:00~21:00)
	Track T1	Track T2	Track T3	Au Track T4	g 30 (Wed)	Track T6	Track T7	Lobby	Lobby	
09:00~10:00 (60')	(Sicily, 1F)	(Grand Ballroom, 2F) Keynote Speech by	(Capri, 2F)	(Sydney, 2F)	(Miami, 2F)	(Venice, 2F)	(Panorama, 16F)	(2F)	(2F)	Optional Tour
10:00~10:20 (20')		Sangok Seok	Coffee	Break						
10:20~11:20 (60')	[WeAT1] Human-mediated Robot Autonomy	Robot Design Competition	[WeAT3] Child-Robot Interaction I	[WeAT4] Human Factors and Ergonomics I	[WeAT5] Social Intelligence for Robots I	[WeAT6] Virtual Reality&Telepresence I				
11:20~11:30 (10')		10:20~12:10 Individual Presentation		Coffee	e Break					
11:30~12:50 (80')	[WeBT1] To Err is Robotic:									
	Understanding, Preventing,		[WeBT3] Child-Robot Interaction II	[WeBT4] Human Factors and Ergonomics II	[WeBT5] Artificial Intelligence in HRLI	[WeBT6] Virtual Reality&Telepresence II		12:10~12:50		
			Child-Robot Interaction II	Human Factors and Ergonomics II				12:10~12:50 Interactive Poster Session		
12:50~14:00 (70')	Understanding, Preventing, and Resolving Robots' Failures in HRI			Human Factors and Ergonomics II	Artificial Intelligence in HRI I	Virtual Reality&Telepresence II	IWoCT71	Interactive Poster		
12:50~14:00 (70') 14:00~15:20 (80')	Understanding, Preventing, and Resolving Robots'		Child-Robot Interaction II	Human Factors and Ergonomics II	Artificial Intelligence	Virtual	[WeCT7] Human-Robot Cooperation and Collaboration Environments	Interactive Poster	Exhibition	
	Understanding, Preventing, and Resolving Robots' Failures in HRI [WeCT1] Human-Agent/Robot Interaction in Healthcare and Medicine		Child-Robot Interaction II	Human Factors and Ergonomics II nch [WeCT4] Motivations and Emotions	Artificial Intelligence in HRI I [WeCT5] Artificial Intelligence	Virtual Reality&Telepresence II [WeCT6] Linguistic Communication	Human-Robot Cooperation and Collaboration	Interactive Poster	Exhibition	OP 3 Lab Tour
14:00~15:20 (80')	Understanding, Preventing, and Resolving Robots' Failures in HRI [WeCT1] Human-Agent/Robot Interaction in Healthcare		Child-Robot Interaction II	Human Factors and Ergonomics II nch [WeCT4] Motivations and Emotions in Robotics	Artificial Intelligence in HRI I [WeCT5] Artificial Intelligence	Virtual Reality&Telepresence II [WeCT6] Linguistic Communication	Human-Robot Cooperation and Collaboration	Interactive Poster	Exhibition	
14:00~15:20 (80') 15:20~15:30 (10')	Understanding, Preventing, and Resolving Robots' Failures in HRI [WeCT1] Human-Agent/Robot Interaction in Healthcare and Medicine [WeDT1] Short- and Long-Term Personalisation in Social		Child-Robot Interaction II	Human Factors and Ergonomics II IVECT4] Motivations and Emotions in Robotics Coffee Break [WeDT4]	Artificial Intelligence in HRI I [WeCT5] Artificial Intelligence in HRI II [WeDT5] Longitudinal HRI Studies and Social Navigation	Virtual Reality&Telepresence II [WeCT6] Linguistic Communication and Dialogue [WeDT6] Nonverbal Communication Skills in Humans and	Human-Robot Cooperation and Collaboration Environments	Interactive Poster Session Robot Design	Exhibition	Lab Tour
14:00~15:20 (80') 15:20~15:30 (10') 15:30~16:30 (60')	Understanding, Preventing, and Resolving Robots' Failures in HRI [WeCT1] Human-Agent/Robot Interaction in Healthcare and Medicine [WeDT1] Short- and Long-Term Personalisation in Social		Child-Robot Interaction II	Human Factors and Ergonomics II Inch [WeCT4] Motivations and Emotions in Robotics Coffee Break [WeDT4] Haptic Interaction Design	Artificial Intelligence in HRI I [WeCT5] Artificial Intelligence in HRI II [WeDT5] Longitudinal HRI Studies	Virtual Reality&Telepresence II [WeCT6] Linguistic Communication and Dialogue [WeDT6] Nonverbal Communication Skills in Humans and	Human-Robot Cooperation and Collaboration Environments	Interactive Poster Session Robot Design	Exhibition	Lab Tour
14:00~15:20 (80') 15:20~15:30 (10') 15:30~16:30 (60') 16:30~16:40 (10')	Understanding, Preventing, and Resolving Robots' Failures in HRI [WeCT1] Human-Agent/Robot Interaction in Healthcare and Medicine [WeDT1] Short- and Long-Term Personalisation in Social HRI [WeET1] Designing Trustworthy Human Agent Interaction in	Banquet (Main Hall) Up to 300 people	Child-Robot Interaction II	Human Factors and Ergonomics II IVECT4] Motivations and Emotions in Robotics Coffee Break IVECT4] Haptic Interaction Design Coffee Break IVECT4] HRI and Collaboration in Manufacturing	[WeCT5] Artificial Intelligence in HRI I [WeCT5] Artificial Intelligence in HRI II [WeDT5] Longitudinal HRI Studies and Social Navigation [WeET5] Social Human-Robot Interaction of Human-Care Service Robots (Regular	Virtual Reality&Telepresence II [WeCT6] Linguistic Communication and Dialogue [WeDT6] Nonverbal Communication Skills in Humans and Robots [WeET6] Hand-Object Interaction: From Human Demonstrations to Robot	Human-Robot Cooperation and Collaboration Environments [WeDT7] Sound Design for Robots [WeET7] User-Centered Design of	Interactive Poster Session Robot Design	Exhibition	Lab Tour
14:00~15:20 (80') 15:20~15:30 (10') 15:30~16:30 (60') 16:30~16:40 (10') 16:40~18:00 (80')	Understanding, Preventing, and Resolving Robots' Failures in HRI [WeCT1] Human-Agent/Robot Interaction in Healthcare and Medicine [WeDT1] Short- and Long-Term Personalisation in Social HRI [WeET1] Designing Trustworthy Human Agent Interaction in Dynamic Context	Banquet (Main Hall) Up to 300 people	Child-Robot Interaction II Lui Banquet (Live Streaming) If More than 300 people	Human Factors and Ergonomics II ICH ICH ICH ICH ICH ICH Motivations and Emotions in Robotics Coffee Break ICH ICHET4] Haptic Interaction Design Coffee Break ICHET4] HRI and Collaboration in Manufacturing Environments	IWeCT5] Artificial Intelligence in HRI I [WeCT5] Artificial Intelligence in HRI II [WeDT5] Longitudinal HRI Studies and Social Navigation [WeET5] Social Human-Robot Interaction of Human-Care Service Robots (Regular Paper)	Virtual Reality&Telepresence II [WeCT6] Linguistic Communication and Dialogue [WeDT6] Nonverbal Communication Skills in Humans and Robots [WeET6] Hand-Object Interaction: From Human Demonstrations to Robot Manipulation	Human-Robot Cooperation and Collaboration Environments [WeDT7] Sound Design for Robots [WeET7] User-Centered Design of Robots	Robot Design Competition		Lab Tour
14:00~15:20 (80') 15:20~15:30 (10') 15:30~16:30 (60') 16:30~16:40 (10') 16:40~18:00 (80') 18:30~20:30 (120')	Understanding, Preventing, and Resolving Robots' Failures in HRI [WeCT1] Human-Agent/Robot Interaction in Healthcare and Medicine [WeDT1] Short- and Long-Term Personalisation in Social HRI [WeET1] Designing Trustworthy Human Agent Interaction in	Banquet (Main Hall)	Child-Robot Interaction II Lui Banquet (Live Streaming)	Human Factors and Ergonomics II IVECT4] Motivations and Emotions in Robotics Coffee Break [WeDT4] Haptic Interaction Design Coffee Break IVEET4] HRI and Collaboration in Manufacturing Environments	IWeCT5] Artificial Intelligence in HRI I [WeCT5] Artificial Intelligence in HRI II [WeDT5] Longitudinal HRI Studies and Social Navigation [WeET5] Social Human-Robot Interaction of Human-Care Service Robots (Regular Paper)	Virtual Reality&Telepresence II [WeCT6] Linguistic Communication and Dialogue [WeDT6] Nonverbal Communication Skills in Humans and Robots [WeET6] Hand-Object Interaction: From Human Demonstrations to Robot	Human-Robot Cooperation and Collaboration Environments [WeDT7] Sound Design for Robots [WeET7] User-Centered Design of	Interactive Poster Session Robot Design	Exhibition Lobby (2F)	Lab Tour
14:00~15:20 (80') 15:20~15:30 (10') 15:30~16:30 (60') 16:30~16:40 (10') 16:40~18:00 (80') 18:30~20:30 (120')	Understanding, Preventing, and Resolving Robots' Failures in HRI [WeCT1] Human-Agent/Robot Interaction in Healthcare and Medicine [WeDT1] Short- and Long-Term Personalisation in Social HRI [WeET1] Designing Trustworthy Human Agent Interaction in Dynamic Context	Banquet (Main Hall) Up to 300 people Track T2 (Grand Ballroom, 2F)	Banquet (Live Streaming) If More than 300 people	Human Factors and Ergonomics II IVECT4] Motivations and Emotions in Robotics Coffee Break IVEDT4] Haptic Interaction Design Coffee Break IVECT4] HRI and Collaboration in Manufacturing Environments Au Track T4 (Sydney, 2F)	IWeCT5] Artificial Intelligence in HRI I IWeCT5] Artificial Intelligence in HRI II IWeDT5] Longitudinal HRI Studies and Social Navigation IWeET5] Social Human-Robot Interaction of Human-Care Service Robots (Regular Paper) g 31 (Thur) Track T5	Wirtual Reality&Telepresence II [WeCT6] Linguistic Communication and Dialogue [WeDT6] Nonverbal Communication Skills in Humans and Robots [WeET6] Hand-Object Interaction: From Human Demonstrations to Robot Manipulation	Human-Robot Cooperation and Collaboration Environments [WeDT7] Sound Design for Robots [WeET7] User-Centered Design of Robots Track T7	Robot Design Competition	Lobby	Lab Tour (13:00–16:00)
14:00~15:20 (80') 15:20~15:30 (10') 15:30~16:30 (60') 16:30~16:40 (10') 16:40~18:00 (80') 18:30~20:30 (120') Time 09:00~10:00 (60')	Understanding, Preventing, and Resolving Robots' Failures in HRI [WeCT1] Human-Agent/Robot Interaction in Healthcare and Medicine [WeDT1] Short- and Long-Term Personalisation in Social HRI [WeET1] Designing Trustworthy Human Agent Interaction in Dynamic Context	Banquet (Main Hall) Up to 300 people Track T2 (Grand Ballroom, 2F) Keynote Speech by	Banquet (Live Streaming) If More than 300 people Track T3 (Capri, 2F)	Human Factors and Ergonomics II IVECT4] Motivations and Emotions in Robotics Coffee Break IVEDT4] Haptic Interaction Design Coffee Break IVECT4] HRI and Collaboration in Manufacturing Environments Au Track T4 (Sydney, 2F)	IWeCT5] Artificial Intelligence in HRI I IWeCT5] Artificial Intelligence in HRI II IWeDT5] Longitudinal HRI Studies and Social Navigation IWeET5] Social Human-Robot Interaction of Human-Care Service Robots (Regular Paper) g 31 (Thur) Track T5	WeCT6] Linguistic Communication and Dialogue [WeDT6] Nonverbal Communication Skills in Humans and Robots [WeET6] Hand-Object Interaction: From Human Demonstrations to Robot Manipulation Track T6 (Venice, 2F) [ThAT6] Visual and Haptic Cues for Physical Human-Robot Interaction and Co-	Human-Robot Cooperation and Collaboration Environments [WeDT7] Sound Design for Robots [WeET7] User-Centered Design of Robots Track T7	Robot Design Competition	Lobby	Optional Tour OP 4 Cooking Class
14:00~15:20 (80') 15:20~15:30 (10') 15:30~16:30 (60') 16:30~16:40 (10') 16:40~18:00 (80') Time 09:00~10:00 (60') 10:00~10:30 (30')	Understanding, Preventing, and Resolving Robots' Failures in HRI [WeCT1] Human-Agent/Robot Interaction in Healthcare and Medicine [WeDT1] Short- and Long-Term Personalisation in Social HRI [WeET1] Designing Trustworthy Human Agent Interaction in Dynamic Context Track T1 (Sicily, 1F)	Banquet (Main Hall) Up to 300 people Track T2 (Grand Ballroom, 2F) Keynote Speech by Tomohiro Shibata [ThAT2] Ethical Issues in Human-Robot Interaction Research Closing Ceremony	Banquet (Live Streaming) If More than 300 people Track T3 (Capri, 2F) Coffee	Human Factors and Ergonomics II IVECT4] Motivations and Emotions in Robotics Coffee Break IVECT4] Haptic Interaction Design Coffee Break IVECT4] HRI and Collaboration in Manufacturing Environments Att Track T4 (Sydney, 2F) Break ITHAT4] Robots in Education,	IWeCT5] Artificial Intelligence in HRI I IWeCT5] Artificial Intelligence in HRI II IWeDT5] Longitudinal HRI Studies and Social Navigation IWeET5] Social Human-Robot Interaction of Human-Care Service Robots (Regular Paper) ITrack T5 (Miami, 2F)	IWeCT6] Linguistic Communication and Dialogue [WeDT6] Nonverbal Communication Skills in Humans and Robots [WeET6] Hand-Object Interaction: From Human Demonstrations to Robot Manipulation Track T6 (Venice, 2F) [ThAT6] Visual and Haptic Cues for Physical Human-Robot	Human-Robot Cooperation and Collaboration Environments [WeDT7] Sound Design for Robots [WeET7] User-Centered Design of Robots Track T7	Robot Design Competition	Lobby	Lab Tour (13:00–16:00) Optional Tour
14:00~15:20 (80') 15:20~15:30 (10') 15:30~16:30 (60') 16:30~16:40 (10') 16:40~18:00 (80') 18:30~20:30 (120') Time 09:00~10:00 (60') 10:30~11:50 (80')	Understanding, Preventing, and Resolving Robots' Failures in HRI [WeCT1] Human-Agent/Robot Interaction in Healthcare and Medicine [WeDT1] Short- and Long-Term Personalisation in Social HRI [WeET1] Designing Trustworthy Human Agent Interaction in Dynamic Context Track T1 (Sicily, 1F)	Banquet (Main Hall) Up to 300 people Track T2 (Grand Ballroom, 2F) Keynote Speech by Tomohiro Shibata [ThAT2] Ethical Issues in Human- Robot Interaction Research	Banquet (Live Streaming) If More than 300 people Track T3 (Capri, 2F) Coffee	Human Factors and Ergonomics II ICh ICH ICH Motivations and Emotions in Robotics Coffee Break ICHET4] Haptic Interaction Design Coffee Break ICHET4] HRI and Collaboration in Manufacturing Environments Au Track T4 (Sydney, 2F) Break ICHAT4] Robots in Education, Therapy and Rehabilitation	IWeCT5] Artificial Intelligence in HRI I IWeCT5] Artificial Intelligence in HRI II IWeDT5] Longitudinal HRI Studies and Social Navigation IWeET5] Social Human-Robot Interaction of Human-Care Service Robots (Regular Paper) ITrack T5 (Miami, 2F)	WeCT6] Linguistic Communication and Dialogue [WeDT6] Nonverbal Communication Skills in Humans and Robots [WeET6] Hand-Object Interaction: From Human Demonstrations to Robot Manipulation Track T6 (Venice, 2F) [ThAT6] Visual and Haptic Cues for Physical Human-Robot Interaction and Co-	Human-Robot Cooperation and Collaboration Environments [WeDT7] Sound Design for Robots [WeET7] User-Centered Design of Robots Track T7	Robot Design Competition Lobby (2F)	Lobby (2F)	Optional Tour OP 4 Cooking Class
14:00~15:20 (80') 15:20~15:30 (10') 15:30~16:30 (60') 16:30~16:40 (10') 16:40~18:00 (80') Time 09:00~10:00 (60') 10:30~11:50 (80')	Understanding, Preventing, and Resolving Robots' Failures in HRI [WeCT1] Human-Agent/Robot Interaction in Healthcare and Medicine [WeDT1] Short- and Long-Term Personalisation in Social HRI [WeET1] Designing Trustworthy Human Agent Interaction in Dynamic Context Track T1 (Sicily, 1F) [ThAT1] Cognition & Assistive Robots	Banquet (Main Hall) Up to 300 people Track T2 (Grand Ballroom, 2F) Keynote Speech by Tomohiro Shibata [ThAT2] Ethical Issues in Human- Robot Interaction Research Closing Ceremony (Award) [ThWT2] 7th Workshop on Behavior Adaptation, Interaction and Learning for Assistive	Banquet (Live Streaming) If More than 300 people Track T3 (Capri, 2F) Coffee [ThAT3] Robot Companions and Social Robots	Human Factors and Ergonomics II IVECT4] Motivations and Emotions in Robotics Coffee Break IVECT4] Haptic Interaction Design Coffee Break IVECT4] HRI and Collaboration in Manufacturing Environments Au Track T4 (Sydney, 2F) Break ITHAT4] Robots in Education, Therapy and Rehabilitation Inclusion in Human-Robot Interaction: Methodological, Inclusion in Human-Robot Interaction: Methodological,	IWeCT5] Artificial Intelligence in HRI I IWeCT5] Artificial Intelligence in HRI II IWeDT5] Longitudinal HRI Studies and Social Navigation IweET5] Social Human-Robot Interaction of Human-Care Service Robots (Regular Paper) Track T5 (Miami, 2F) IThAT5] Social Intelligence for Robots II IThWT5] Multidisciplinary Perspectives on Context-aware Embodied Spoken	IWeCT6] Linguistic Communication and Dialogue IWeDT6] Nonverbal Communication Skills in Humans and Robots IWeET6] Hand-Object Interaction: From Human Demonstrations to Robot Manipulation Track T6 (Venice, 2F) IThAT6] Visual and Haptic Cues for Physical Human-Robot Interaction and Co-Manipulation IThAT6] WARN: Weighting the benefits of Autonomous	Human-Robot Cooperation and Collaboration Environments [WeDT7] Sound Design for Robots [WeET7] User-Centered Design of Robots Track T7	Robot Design Competition Lobby (2F)	Lobby (2F)	Coptional Tour OP 4 Cooking Class
14:00~15:20 (80') 15:20~15:30 (10') 15:30~16:30 (60') 16:30~16:40 (10') 16:40~18:00 (80') Time 09:00~10:00 (60') 10:00~10:30 (30') 10:30~11:50 (80') 11:50~12:10 (20')	Understanding, Preventing, and Resolving Robots' Failures in HRI [WeCT1] Human-Agent/Robot Interaction in Healthcare and Medicine [WeDT1] Short- and Long-Term Personalisation in Social HRI Designing Trustworthy Human Agent Interaction in Dynamic Context Track T1 (Sicily, 1F) [ThAT1] Cognition & Assistive Robots	Banquet (Main Hall) Up to 300 people Track T2 (Grand Ballroom, 2F) Keynote Speech by Tomohiro Shibata [ThAT2] Ethical Issues in Human- Robot Interaction Research Closing Ceremony (Award) [ThWT2] 7th Workshop on Behavior Adaptation, Interaction and	Banquet (Live Streaming) If More than 300 people Track T3 (Capri, 2F) Coffee [ThAT3] Robot Companions and Social Robots Lui [ThWT3] Robots for Learning (R4L):	Human Factors and Ergonomics II IVECT4] Motivations and Emotions in Robotics Coffee Break LiveT4] Haptic Interaction Design Coffee Break IVET4] HRI and Collaboration in Manufacturing Environments Atterior Track T4 (Sydney, 2F) Break LiveT4] Robots in Education, Therapy and Rehabilitation Inch IThWT4] Researching Diversity and Inclusion in Human-Robot Interaction: Methodological, Technical and Ethical Considerations (divHRI)	IWeCT5] Artificial Intelligence in HRI I IWeCT5] Artificial Intelligence in HRI II IWeDT5] Longitudinal HRI Studies and Social Navigation IWeET5] Social Human-Robot Interaction of Human-Care Service Robots (Regular Paper) Track T5 (Miami, 2F) IThAT5] Social Intelligence for Robots II IThWT5] Multidisciplinary Perspectives on Context-	IWeCT6] Linguistic Communication and Dialogue [WeDT6] Nonverbal Communication Skills in Humans and Robots [WeET6] Hand-Object Interaction: From Human Demonstrations to Robot Manipulation Track T6 (Venice, 2F) [ThAT6] Visual and Haptic Cues for Physical Human-Robot Interaction and Co-Manipulation	Human-Robot Cooperation and Collaboration Environments [WeDT7] Sound Design for Robots [WeET7] User-Centered Design of Robots Track T7	Robot Design Competition Lobby (2F)	Lobby (2F)	Coptional Tour OP 4 Cooking Class

l echnical Programs								
Type	No. of Session	Time including Q&A						
Keynote	3	60 min./talk						
Oral (Regular)	44	10 min./paper						
Oral (Special)	12	10 min./paper						
Poster (LBR)	1	60 min./session						
Workshop/Tutorial	18	-						
Competition	5	-						
Others								
Exhibition	Social Event	Optional Tour						