08:30-23:30	Conference Registration
00.00 20.00	(Location: Atrium on the ground floor, 1 楼大堂)
11:00-13:00	Buffet Lunch
12.00 15.00	Refreshment and Poster Session 1 & 2
13:00-15:00	(Location: Longfeng Hall on 2 <sup>nd</sup> floor, 2 楼隆奉厅)
45.00 47.00	Refreshment and Poster Session 3 & 4
15:00-17:00	(Location: Longfeng Hall on 2 <sup>nd</sup> floor, 2 楼隆奉厅)
18:00-	Social Reception

07:00 00:20		Conference Registration							
07:00-08:30			(Location	: Atrium on the	ground floor,	1楼大堂)			
00.20 00.00		Opening Ceremony							
08:30-09:00	(Location: Main hall on the 3 <sup>rd</sup> floor, 3 楼东北会堂)								
			PI	enary Talk 1: F	Prof. I-Ming Ch	en			
09:00-09:45			Intellig	jent Robots an	d Hidden Char	mpions			
			(Location:	Main hall on th	ne 3 <sup>rd</sup> floor, 3	<b>娄东北会堂</b> )			
			Ple	nary Talk 2: Pr	of. Etienne Bu	rdet			
09:45-10:30			Interaction	on Control in H	umans and wit	th Robots			
			(Location:	Main hall on th	ne 3 <sup>rd</sup> floor, 3 核	<b>埃东北会堂</b> )			
10:30-11:00				Refres	hment				
11:00-12:30		Grouped Sessions							
Keynotes		(30mins fo	r each keynot	e+15mins for e	each oral prese	entation in ever	ry session)		
& Oral	FrA1	FrA2	FrA3	FrA4	FrA5	FrA6	FrA7	FrA8	

presentations	Parallel robotics	Wearable and	Swarm	Compliant	Modular robots	Robotic	Unmanned	Robotic	
	Longfeng Hall A on 2nd	assistive	intelligence and	manipulation	and other	technology for	underwater	grasping and	
	floor (2 楼隆奉 A 厅)	devices and	multi-robot	learning and	mechatronic	deep space	vehicles	manipulation	
		robots for	cooperation	control for	systems	exploration	Activity Room on 5th	with incomplete	
		healthcare	No. 8 Meeting Room	lightweight	No. 6 Meeting Room	No. 7 Meeting Room	floor (5 楼活动室)	information and	
		Longfeng Hall B on 2nd	on 5th floor (5 楼第八会	robot	on 3rd floor (3 楼第六会	on 3rd floor (3 楼第七会		strong	
		floor (2 楼隆奉 B 厅)	议室)	No. 9 Meeting Room	议室)	议室)		disturbance	
				on 6th floor (6 楼第九会				No. 2 Meeting Room	
				议室)				on 3rd floor (3 楼第二会	
								议室)	
12:30-14:00				Buffet	Lunch				
			Ple	enary Talk 3: P	rof. Fumihito A	rai			
14:00-14:45		Innovation of Robots with Bionic Design							
		(Location: Main hall on the 3 <sup>rd</sup> floor, 3 楼东北会堂)							
15:00-16:30				Grouped	Sessions				

Keynotes		(30mins for each keynote+15mins for each oral presentation in every session)							
& Oral	FrB1	FrB2	FrB3	FrB4	FrB5	FrB6	FrB7	FrB8	
presentations	Fuzzy Modelling	Computational	Wearable	Autonomous	Marine	Human	Bio-inspired	Robot	
	for automation,	intelligence	sensing based	control of	Bio-inspired	centered	wall climbing	intelligence	
	control, and	control, and inspired robot limb motor unmanned robotics and robotics robot techn							
	robotics	robotics navigation and function aircraft systems soft robotics: No. 7 Meeting Room Activity Room on 5th and system							
	Longfeng Hall A on 2nd	SLAM	rehabilitation	No. 9 Meeting Room	materials,	on 3rd floor (3 楼第七会	floor (5 楼活动室)	integration	
	floor (2 楼隆奉 A 厅)	Longfeng Hall B on 2nd	No. 8 Meeting Room	on 6th floor (6 楼第九会	mechanisms,	议室)		No. 2 Meeting Room	
		floor (2 楼隆奉 B 厅)	on 5th floor (5 楼第八会	议室)	modeling, and			on 3rd floor (3 楼第二会	
			   议室 <b>)</b>		control			议室)	
					No. 6 Meeting Room				
					on 3rd floor (3 楼第六会				
					议室)				
16:30-16:45				Refres	hment				
16:45-18:30				Grouped	Sessions				

Keynotes		(30mins for each keynote+15mins for each oral presentation in every session)								
& Oral	FrC1	FrC2	FrC3	FrC4	FrC5	FrC6	FrC7	FrC8		
presentations	Swarm	Medical robot	Soft locomotion	Robotics for cell	Underwater	Signal	Human	Intelligent		
	intelligence	Longfeng Hall B on 2nd	robot	manipulation acoustic and processing and biomechanics robots						
	unmanned	floor (2 楼隆奉 B 厅)	No. 8 Meeting Room	and	optical signal	underwater	and	environment		
	system		on 5th floor (5 楼第八会	h floor (5 楼第八会 characterization processing for bionic robots human-centered detection or f						
	Longfeng Hall A on 2nd		议室)	No. 9 Meeting Room environmental No. 7 Meeting Room robotics manipulation						
	floor (2 楼隆奉 A 厅)			on 6th floor (6 楼第九会	cognition	on 3rd floor (3 楼第七会	Activity Room on 5th	No. 2 Meeting Room		
				议室)	No. 6 Meeting Room	议室)	floor (5 楼活动室)	on 3rd floor (3 楼第二会		
					on 3rd floor (3 楼第六会			议室)		
					议室)					
18:30-20:00				Buffet	Dinner					
20:00-21:00	Recruitment Seminar for Talent Acquisition - Shenyang Institute of Automation, Chinese Academy of Solution (Location: Longfeng Hall on 2 <sup>nd</sup> floor, 2 楼隆奉厅)							of Sciences		

07:00-09:00		Conference Registration (Location: Atrium on the ground floor, 1 楼大堂)						
09:00-09:45	Т	Plenary Talk 4: Prof. Huayong Yang  The Development of Robotic Technologies Applied to the Mobile Construction Machinery  (Location: Main hall on the 3 <sup>rd</sup> floor, 3 楼东北会堂)						
09:45-10:30			Morphoger	netic Self-orga	Prof. Yaochu J nization of Swa ne 3 <sup>rd</sup> floor, 3 樹	arm Robots		
10:30-11:00				Refres	shment			
11:00-12:30		(30mins fo	or each keynot	·	Sessions each oral prese	entation in ever	ry session)	
Keynotes  & Oral  presentations	SaA1 Field robots Longfeng Hall A on 2nd	SaA2  Man-machine  interactions	SaA3 Navigation/Loca	SaA4  Nonlinear  systems and	SaA5 Human-robot	SaA6 Piezoelectric actuators and	SaA7 Teleoperation	SaA8 Fault detection, testing and

	floor (2 楼隆奉 A 厅)	Longfeng Hall B on 2nd	No. 8 Meeting Room	control	No. 6 Meeting Room	micro-nano	Activity Room o	n 5th diagnosis
		floor (2 楼隆奉 B 厅)	on 5th floor (5 楼第八会	No. 9 Meeting Room	on 3rd floor (3 楼第六会	manipulations	floor (5 楼活动	室) No. 2 Meeting Room
			议室)	on 6th floor (6 楼第九会	议室)	No. 7 Meeting Room		on 3rd floor (3 楼第二会
				议室)		on 3rd floor (3 楼第七会		议室)
						议室)		
12:30-14:00				Buffet	Lunch			
			F	Plenary Talk 6: I	Prof. Shugen N	Ла		
14:00-14:45		Rethinkir	ng Robotics F	&D for Real Wo	orld and Enviro	nment-adaptiv	e Robots	
			(Location	: Main hall on th	ne 3 <sup>rd</sup> floor, 3 核	华东北会堂)		
				Grouped	Sessions			
15:00-16:30		(30mins fo	or each keyno	te+15mins for e	each oral prese	entation in ever	y session)	
Keynotes	SaB1	Sa	B2	SaB3	SaB4	Sa	B5	SaB6
& Oral	Robot intelligenc	Robot intelligence, Robot legged Compliant Computer integrated Collective and social Human-robot						Human-robot
presentations	learning and	locom	notion	mechanisms	manufacturin	g rob	ots	collaboration
	linguistics	No. 9 Meeting R	oom on 6th floor No	o. 6 Meeting Room on 3rd	No. 7 Meeting Room o	n 3rd Activity Room o	on 5th floor (5 楼	No. 2 Meeting Room on 3rd floor

	No. 8 Meeting Room on 5th floor	(6 楼第九会议室)	floor (3 楼第六会议室)	floor (3 楼第七会议室)	活动室)	(3 楼第二会议室)				
	(5 楼第八会议室)									
16:30-16:45		Refreshment								
			Grouped	Sessions						
	(	30mins for each ke	ynote+15mins for e	each oral presentati	on in every session	1)				
16:45-18:30	SaC1	SaC2	SaC3	SaC4	SaC5	SaC6				
Keynotes	Development of	Mobile robots and	Continuum	Robot mechanism and	Visual and motional	Robot vision and				
& Oral	high-performance	intelligent	mechanisms and	design	learning in robotics	scene understanding				
presentations	joint drive for robots	autonomous systems	robots	No. 7 Meeting Room on 3rd	Activity Room on 5th floor (5 楼	No. 2 Meeting Room on 3rd floor				
	No. 8 Meeting Room on 5th floor	No. 9 Meeting Room on 6th floor	No. 6 Meeting Room on 3rd	floor (3 楼第七会议室)	活动室)	(3 楼第二会议室)				
	(5 楼第八会议室)	(6 楼第九会议室)	floor (3 楼第六会议室)							
10.00			Closing Ceremony/	Conference Banque	et					
19:00-		(Loca	tion: Main hall on th	ne 3 <sup>rd</sup> floor, 3 楼东非	公会堂)					

09:00-18:30	Joint ICIRA-CCRS Events (only applicable for those who have jointly registered for CCRS 2019)								
		Joint Plenary Talk 1: Prof. Yangsheng Xu							
09:00-10:30		Joint F	Plenary Talk	2: Prof. Jie	e Chen				
		(Location: Ma	in hall on th	ne 3 <sup>rd</sup> floor,	3楼东北会堂)				
10:30-11:00			Refres	hment					
	Joint Ke	ynote 1: Dr. Min Tan			Joint Keynote 2: Prof.	Xilun Ding			
44.00.40.40	(Location: Main hal	I on the 3 <sup>rd</sup> floor, 3 楼东	北会堂)	(Location: Longfeng Hall on 2 <sup>nd</sup> floor, 2 楼隆奉厅)					
11:00-12:10	Joint Keyno	te 3: Prof. Tiejun Huanç	9	Joint Keynote 4: Prof. Xianmin Zhang					
	(Location: Main hal	I on the 3 <sup>rd</sup> floor, 3 楼东	北会堂)	(Location	on: Longfeng Hall on 2 <sup>r</sup>	nd floor, 2 楼隆奉厅)			
12:10-14:00			Buffet	Lunch					
44.00.45.00	Guest Forums: Pi	of. Han Ding, Prof. Hua	ayong Yang	, Dr. Haibin	Yu, Prof. Hong Liu, Pro	of. Xiangyang Zhu			
14:00-15:30		(Location: Ma	in hall on th	ne 3 <sup>rd</sup> floor,	3 楼东北会堂)				
45.00.40.60			Forums or	n Subjects					
15:30-18:20	15:30-18:20 Nano Robot Medical Robot			Robot	Swarm Robot	Industrial Robot			