Innovation Week Program

2nd Joint UAE Symposium on SOCIAL ROBOTICS 2016

Sunday, November 20th 2016 (Venue: F3 Building, UAEU)

Time	Description
08:00	Welcome Reception & Registration
09:00	Welcome by academic authorities and opening remarks by the organizers TBA Mohamad Eid (NYUAD, Engineering Division)
First Thematic Session (9:25-15:10): "Embodied & Enactive Approaches to Robotics" **Chair: Max Cappuccio**	
9:25	Keynote: Giulio Sandini (IIT) *Humanizing Robots (and the three laws of robotics)*
10:10	Keynote: Daniel Hutto (Wollongong) *Knowing Others Though Anticipation and Interaction: Learning the Right Lessons From and For Social Robotics*
10:55	Keynote: Angelo Cangelosi (Plymouth) *From Babies to Robots: Developmental Robotics for Embodied Language Learning*
11:40	First Exhibition and Demonstrations session. Featuring: AIMlab - New York University Abu Dhabi, PAL Robotics, Shadow Robot, UAEU Media Lab, Votek, and others.
12:20	Lunch
13:20	Keynote: Steve Torrance (Sussex) *Artificial social agents in a world of conscious beings*
14:05	First Roundtable: "Why do robots need a body?" - Chair: Mohamad Eid. With: Max Cappuccio, Angelo Cangelosi, Ron Chrisley, Dan Hutto, Giulio Sandini, Steve Torrance
14:50	Coffee break
Afternoon session (15:10 - 16:10) - Chair: Mohamad Eid	
15:10	Presentation: Ahmed Bani Yunes (KUSTAR) *Robotics-Based Experimentation to Demonstrate and Emulate Spacecraft Maneuvers*
15:40	Presentation: Mohammed Randeree (UAEU) *Survey of University Engineering Student's Opinions on Ethical Issues in Social and Autonomous Robotics*
16:10	Closing remarks and end of the first day of the symposium

Monday, November 21st 2016

(Venue: F3 Building, UAEU)

Time	Description
08:00	Welcome Reception & Registration
Second Thematic Session (9:00-13:50): "Anthropomorphism in Human-Robot Interaction" **Chair: Ben Robins**	
9:00	Presentation: Friederike Eyssel (Bielefeld) *Robots as Social Agents: Getting in touch and getting out of touch with robots*
9:30	Keynote: Rob Sparrow (Monash) *Robots, racism, and representation*
10:10	Presentation: Christoph Bartneck (Canterbury) *How human are robots and how robotic are humans?*
10:40	Coffee break
11:00	Keynote: Michael Decker (KIT) *Service Robots are on their way? Some thoughts from an interdisciplinary Technology Assessment*
11:40	Keynote: Robb Cheek (Hyundai) *Social robots: These are the droids you're looking for*
12:20	Lunch
13:20	Second Roundtable: "How anthropomorphic should robots be?" Chair: Eyssel. With: Christoph Bartneck, Robb Cheek, Michael Decker, Ben Robins, Rob Sparrow, Jun Tani.
Third Thematic Session (13:50-16:30): "Robotics in Medicine and Healthcare" **Chair: Fady AlNajjar**	
13:50	Presentation: M Jawad Hashim (UAEU) *eHealth applications for robotics: challenges in social robotics for healthcare*
14:20	Keynote: Lulu Hamdan & Sanad Shaikh (Amana Healthcare) *Robotics and communication technology for people with disabilities*
15:00	Second Exhibition & Demonstrations session. Featuring: Amana Healthcare and others.
15:30	Presentation: Mohammed Alotaibi (Tabuk University) *A potential social robotics children diabetes management and educational system for Saudi Arabia: System architecture*
16:00	Presentation: Peer Mohamad Muhamed Ali (Al Ain Hospital) - *Robotics in Rehabilitation*
16:30	Closing remarks and end of the second day of the symposium
18:30	Reception and social dinner at Mercure Grand, Jabel Hafeet
20:30	Bus transfer to Abu Dhabi

Tuesday, November 22nd 2016 (Venue: Conference Center, NYUAD)

Time	Description
08:00	Welcome Reception & Registration
09:00	Welcome by academic authorities and opening remarks by the organizers TBA Mohamad Eid (NYUAD, Engineering Division), Max Cappuccio (UAEU, CHSS)
Fourth Thematic Session (9:20-13:20): "Theories of Conscious AI" **Chair: Mohamad Eid**	
9:20	Keynote: Jun Tani (KAIST) *How can we develop 'deep minds' of robots?*
10:05	Keynote: Ron Chrisley (Sussex) *Human Responsibility, Robot Mind: Conceptual Design Constraints for Social Robots*
10:50	Coffee break
11:10	Presentation: Yasmina Jraissati (American University of Beirut) *Color Categories in Context*
11:40	Third Roundtable: "What is the best cognitive architecture for social AIs?". Chair: Mohamed Eid. With: Ron Chrisley, Jorge Dias, Dan Hutto, Giulio Sandini, Jun Tani, Steve Torrance
12:20	Lunch
Fifth Thematic Session (13:20-15:40): "GrowMeUp: new advances in machine learning" **Chair: Boumediene Belkhouche**	
13:20	Presentation: Jorge Dias (KUSTAR) *The "GrowMeUp" project: robotic technologies for societal innovations and challenges*
13:50	Presentation: Luis Santos (Coimbra) *Random Sampling Learning: Social Robots Learning User Behaviour Routines*
14:20	Coffee break
14:40	Presentation: Gonçalo Martins (Coimbra) *User Modeling for User-Adaptive Social Robots*
15:10	Presentation: Paulo Ferreira (Coimbra) *The Challenge of Bringing Social Robots to Society*
15:40	Tour of the laboratories with Mohamad Eid (NYUAD) *Bringing Touch to Human Computer Interaction: a guided interactive tour of NYUAD laboratories*
16:30	Closing remarks and end of the third day of the symposium

Wednesday, November 23rd 2016

(Venue: Conference Center, NYUAD)

Time	Description
08:00	Welcome Reception & Registration
Sixth Thematic Session (9:00-13:25): "Social Robots for Autism" **Chair: Friederike Eyssel**	
09:00	Keynote: Ben Robins (Hertfordshire) *Robots as a therapeutic tool: Encouraging social interaction skills in children with autism*
9:45	Presentation: Fady AlNajjar (UAEU) *Robotic Therapy for Developing Social Skills in Kids with Autism*
10:25	Third Exhibition and Demonstrations Session
11:05	Keynote: John-John Cabibihan (Qatar) *Social Robots and Wearable Sensors as Assistive Tools for Autism Intervention*
11:50	Presentation: Nadia Hussain (Al Ain University of Science and Technology) *The Use of Robots to Enhance Interaction among Autistic Adolescents – observations from a social interaction study*
12:20	Lunch
Seventh Thematic Session (13:20-16:20): "Robotics Industry and Tomorrow's Society" **Chair: Jorge Dias**	
13:20	Keynote: Amit Kumit Pandey (Softbank) *From Artificial Intelligence towards Social Intelligence of Robots, the ultimate need but a grand R&D challenge: an industrial perspective*
14:10	Keynote: Francesco Ferro (Pal Robotics) *Making robots social at PAL Robotics*
14:50	Coffee break
15:10	Presentation: Hoda Alkhazaimi (NYU) *TBA*
15:40	Fourth Roundtable: "How social robots will create new jobs in UAE". Chair: Jorge Dias. With: Mohammed Alotaibi, Hoda Alkhzaimi, John-John Cabibihan, Robb Cheek, Mohamad Eid, Amit Kumit Pandey, Francesco Ferro.
16:20	Closing remarks and end of the symposium