

# Meeting Agenda


## < February 10<sup>th</sup>, 2023, Friday (GMT+4)>

10:00 – 17:00	<b>Onsite Participants</b> Sign-in and Materials Collection Venue: Conference Center in A6, New York University Abu Dhabi	
<b>ZOOM Test for Online Participants</b>		
9:30 – 12:00	<b>Zoom A: 859 8817 7845</b>	<b>Online Session 1</b>
	<b>Zoom B: 882 5140 6657</b>	<b>Online Session 2</b>
12:00 – 14:00	<b>Zoom A: 859 8817 7845</b>	<b>Online Session 3</b>
	<b>Zoom B: 882 5140 6657</b>	<b>Online Session 4</b>


## Morning < February 11<sup>th</sup>, 2023, Saturday (GMT+4)>

From 08:30	<b>Online Meeting Room Open</b> <b>Zoom A: 859 8817 7845</b> Invitation Link: <a href="https://us02web.zoom.us/j/85988177845">https://us02web.zoom.us/j/85988177845</a> Note: Please join in the meeting room before 8:45 am	
<b>Opening Ceremony &amp; Keynote Speeches</b> <i>Host: Prof. Farshad Khorrami, New York University, USA</i> Venue: Building A6, Room A6-007		
<b>Opening Remarks</b> 09:00-09:10	<b>Conference Chair: Prof. Anthony Tzes</b> <i>New York University Abu Dhabi, United Arab Emirates</i>	
<b>Keynote Speech I</b> 09:10 – 09:55	<b>Prof. Ramesh K. Agarwal (IEEE Fellow)</b> <i>Washington University in St. Louis, USA</i> <i>Title: Position-Tracking Controller for Two-Wheeled Balancing Robot Applications Using Invariant Dynamic Surface</i>	
<b>Keynote Speech II</b> 09:55 – 10:40	<b>Prof. Richard Voyles (IEEE Fellow)</b> Purdue University, USA <i>Title: The Design Singularity – Robotic Materials from the Perspective of Robot Evolution</i>	
<b>Group Photo &amp; Coffee Break</b>  10:40 am—11:00 am		


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<b>Keynote Speech III</b> 11:00 – 11:45	<b>Prof. Ruqiang Yan (IEEE Fellow, ASME Fellow)</b> <i>Xi'an Jiaotong University, China</i> <i>Title: Wavelet-Driven Explainable Deep Learning for Machine Intelligent Diagnosis</i>
<b>Keynote Speech IV</b> 11:45 – 12:30	<b>Prof. Adrian David Cheok</b> <i>iUniversity, Tokyo, Japan</i> <i>Title: AI Machine Super Intelligence</i>
12:30 – 13:30	<b>Lunch Time</b>  Venue: The Foyer of the A6 Building


## Afternoon < February 11<sup>th</sup>, 2023, Saturday (GMT+4)>

Onsite Parallel Sessions	
13:30 – 15:30 Venue: A6-006	<b>Parallel Session 1</b> Session Topic: Robot Structure Design and System Analysis <b>Paper ID: AD042, AD010, AD015, AD079, AD095, AD067, AD108, AD076</b>
13:30 – 15:30 Venue: A6-009	<b>Parallel Session 2</b> Session Topic: Robot Movement Planning and Control <b>Paper ID: AD018, AD111, AD054, AD009, AD052, AD057, AD092, AD019</b>
13:30 – 15:30 Venue: A6-010	<b>Parallel Session 3</b> Session Topic: Control Theory and System Model <b>Paper ID: AD058, AD003, AD031, AD060, AD116, AD316, AD325, AD402</b>
13:30 – 14:00	<b>Poster Session</b> <b>Paper ID: AD025, AD114-A</b>
<b>Coffee Break</b>  15:30 – 16:00	
16:00 – 18:00 Venue: A6-006	<b>Parallel Session 4</b> Session Topic: Modern Sensor and Sensor System Measurement <b>Paper ID: AD099, AD097, AD027, AD033, AD087-A, AD307, AD320, AD321</b>



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16:00 – 18:15 Venue: A6-009	<p align="center"><b>Parallel Session 5</b></p> <p>Session Topic: Data Models and Algorithms in Information System  <b>Paper ID: AD008, AD016, AD023, AD024, AD030, AD038, AD045, AD053, AD071</b></p>
16:00 – 18:15 Venue: A6-010	<p align="center"><b>Parallel Session 6</b></p> <p>Session Topic: Machine Vision and Unmanned System Design  <b>Paper ID: AD073, AD004, AD046, AD085, AD047, AD106, AD096, AD061, AD078</b></p>
<p align="center"><b>Dinner Time</b>  18:30 – 20:00  <b>Venue: Torch Club</b></p>	

## < February 12<sup>th</sup>, 2023, Sunday (GMT+4) >

From 08:30	<p align="center"><b>Online Meeting Room Open</b>  <b>Zoom A: 859 8817 7845</b>          Invitation Link: <a href="https://us02web.zoom.us/j/85988177845">https://us02web.zoom.us/j/85988177845</a>          Note: Please join in the meeting room before 8:45 am</p>
<p><b>Online Invited Speeches</b></p>	
<p><b>Invited Speech I</b> 09:00 – 09:30</p>	<p align="center"><b>Prof. Li Guo</b>  <i>Hunan University, China</i>  <i>Title: Acoustic emission intelligent monitoring in grinding engineering ceramics</i></p>
<p><b>Invited Speech II</b> 09:30 – 10:00</p>	<p align="center"><b>Prof. Sule Yildirim Yayilgan</b>  <i>Norwegian University of Science and Technology, Norway</i>  <i>Title: AI and CyberSecurity</i></p>
<p><b>Invited Speech III</b> 10:00 – 10:30</p>	<p align="center"><b>Assoc. Prof. Sallehuddin Bin Mohamed Haris</b>  <i>Universiti Kebangsaan Malaysia, Malaysia</i>  <i>Title: A Computer Algebra based Software Tool for Multiple Model Adaptive Control Design</i></p>
<p align="center"><b>Break Time</b>  10:30 – 10:45</p>	

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<p><b>Invited Speech IV</b> 10:45 – 11:15</p>	<p><b>Dr. Ilya Afanasyev</b> <i>Kazan Federal University, Russia</i> <i>Title: The Modern Challenges in Intelligent Transportation Systems</i></p>
<p><b>Invited Speech V</b> 11:15 – 11:45</p>	<p><b>Dr. Ali Kafash Hoshlar</b> <i>University of Essex, United Kingdom</i> <i>Title: Microrobotic Systems from Individual to Collective Control</i></p>
<p><b>Invited Speech VI</b> 11:45 – 12:15</p>	<p><b>Dr. Yannick Verbelen</b> <i>University of Bristol, United Kingdom</i> <i>Title: Advances in Nuclear Robotics</i></p>
<p>12:15 – 13:30</p>	<p><b>Lunch Time</b> </p>
<p><b>Online Parallel Sessions</b></p>	
<p>13:30 – 16:00 <b>Zoom A:</b> <b>859 8817 7845</b></p>	<p><b>Parallel Online Session 1</b> Session Topic: Control System and Model Design <b>Paper ID: AD055, AD014, AD088, AD070, AD315, AD022, AD094, AD311, AD049, AD319</b></p>
<p>13:30 – 16:00 <b>Zoom B:</b> <b>882 5140 6657</b></p>	<p><b>Parallel Online Session 2</b> Session Topic: Intelligent Robot Design and System Testing <b>Paper ID: AD077, AD029, AD005, AD065, AD089, AD081, AD103, AD101, AD104, AD303</b></p>
<p><b>Break Time</b>  16:00 – 16:15</p>	
<p>16:15 – 18:30 <b>Zoom A:</b> <b>859 8817 7845</b></p>	<p><b>Parallel Online Session 3</b> Session Topic: Robot Movement Planning and Obstacle Avoidance Technology <b>Paper ID: AD006, AD007, AD002, AD059, AD026, AD066, AD098, AD110, AD313</b></p>
<p>16:15 – 18:30 <b>Zoom B:</b> <b>882 5140 6657</b></p>	<p><b>Parallel Online Session 4</b> Session Topic: Machine Vision and Human-Computer Interaction <b>Paper ID: AD043, AD084, AD314, AD112, AD041, AD083, AD075-A, AD040, AD100</b></p>