

## RESEARCHER'S BACKGROUND

<b>Name</b>	Ir. Dr. Zool Hilmi Ismail
<b>Academic Position</b>	Senior Lecturer
<b>Faculty</b>	Malaysia-Japan International Institute of Technology (MJIT)
<b>Research Interests</b>	<ol style="list-style-type: none"> <li>1. Environment Monitoring Robot</li> <li>2. Nonlinear Task-Space Control</li> <li>3. Multiple Agent System</li> <li>4. Persistent Autonomy</li> <li>5. Navigation and Intelligent Control</li> <li>6. Pneumatic Actuator</li> </ol>
<b>Research Entity</b>	<ol style="list-style-type: none"> <li>1. Member of Center for Artificial Intelligence and Robotics (CAIRO).</li> <li>2. Associate Member of MJIT Disaster Preparedness and Prevention Centre (DPPC)</li> </ol>
<b>UTM Administrative Post (if any)</b>	Manager for Strategic Business Units (MJIT-SBUs)
<b>Professional Post(if any)</b>	<p>Member:</p> <ol style="list-style-type: none"> <li>1. Board of Engineers Malaysia (BEM) – Electronic</li> <li>2. Institution of Engineers Malaysia (IEM)</li> <li>3. Institute of Marine Engineering, Science and Technology (IMAREST)</li> <li>4. Institute of Electrical and Electronics Engineering (IEEE)</li> <li>5. The Institution of Engineering and Technology (IET)</li> <li>6. Society for Underwater Technology (SUT)</li> <li>7. Asian Control Association (ACA)</li> <li>8. ASEAN Engineer (ASEAN Eng.), ASEAN Engineers Register</li> </ol>

## RESEARCH PROFILE

<b>Publication</b>	<ul style="list-style-type: none"> <li>• Journal Article - 16</li> <li>• Conference Paper -21</li> </ul>
<b>Citation</b>	80
<b>H-index</b>	5
<b>Intellectual property rights</b>	<ol style="list-style-type: none"> <li>1. Active Floating Sensor Module</li> <li>2. Operating Manual for Unmanned Aerial Vehicle with Intelligence UAV-i</li> <li>3. Duct Inspection Robot</li> <li>4. Experimental Study of Integrated Green Energy Profiler (Hydrokinetic-Solar-Wind)</li> </ol>

## RESEARCH SUPERVISION

<b>Completed</b>	<ul style="list-style-type: none"><li>• PhD: 3</li><li>• MSc: 3</li></ul>
<b>Current</b>	<ul style="list-style-type: none"><li>• PhD: 3</li><li>• MSc: 6</li></ul>

## AWARDS & RECOGNITIONS

<ol style="list-style-type: none"><li>1. 1st place for Robocup Japan Open 2016 Aichi @ Home Simulation</li><li>2. 2nd place for Robocup Japan Open 2016 Aichi@HomeEducation</li><li>3. Highest Cumulative Impact Factor Award (Materials and Manufacturing Research Alliance), 2014</li><li>4. UTM Excellent Service Award, 2012</li><li>5. EPS Research Thesis Award, 2011</li><li>6. Candidate for Heriot-Watt University MacFarlane Prize, 2011</li></ol>
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## CONTRIBUTIONS

<ol style="list-style-type: none"><li>1. Technical Chair for the 1st International Conference on Advanced Technology and Applied Sciences (ICaTAS 2016) and Malaysia-Japan Joint International Conference (MJJIC 2016)</li><li>2. Invited Speaker for IEEE OES Technical Talk 2016 at University of Technology Petronas (in collaboration with IEEE Oceanic Engineering Society (OES) Malaysia Chapter)</li><li>3. Program Coordinator - LOC with Arab Academy for Science, Technology and Maritime Transport</li><li>4. Program Coordinator - MoA with School of Engineering, The University of Tokyo</li><li>5. Consultant - Era Enigma Enterprise, Puchong, Selangor, September 2015 – October 2015.</li><li>6. Visiting Researcher (TWAS-UNESCO):Department of Electrical Engineering, JUST, Jordan, Jan 2016.</li><li>7. Visiting Researcher (AUN/SEED-Net):Department of Systems Science, Kyoto University, Japan, Sept 2014</li><li>8. Publicity Chair for Asian Control Conference – ASCC 2015</li><li>9. Honorary Auditor 2014/2015 at YPS IET (Malaysia Network)</li><li>10. Chair for the 1st Mini Symposium on Artificial Intelligence and Robotics – AIR 2013</li><li>11. Paper Reviewer, Neural Computing and Applications, 2016 - present</li><li>12. Paper Reviewer, Simulation Modelling Practice and Theory, 2013 - present</li><li>13. Paper Reviewer, Ocean Engineering, 2011 - present</li></ol>
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## CONTACT

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