

## RESEARCHER'S BACKGROUND

<b>Name</b>	Dr. Norhudah Seman
<b>Faculty</b>	Faculty of Electrical Engineering
<b>Research Interests</b>	<ol style="list-style-type: none"> <li>1. RF/microwave circuits for biomedical and industrial applications</li> <li>2. Wideband and UWB technologies</li> <li>3. Mobilecommunications</li> <li>4. Biologicaleffects of EMF exposure</li> <li>5. Materialstudy and characterization</li> </ol>
<b>Research Entity</b>	Wireless Communication Centre (WCC)
<b>UTM Administrative Post(if any)</b>	<ol style="list-style-type: none"> <li>1. 2014 – present – Head of Specific Absorption Rate (SAR) Laboratory, WCC, UTM.</li> <li>2. July 2013 – present – Speaker/Fasilitator/Mock Inverview Panel - How to Get Yourself Employed (HTGYE) Program, Faculty of Electrical Engineering, UTM</li> <li>3. 19 February 2014 – 30 April 2015 – Coordinator Wireless Communication Centre for Infocomm Research Alliance (ICRA)</li> <li>4. 2010 - 2015 – Head of WCC Task Force – Annual Report</li> <li>5. 2010 – 2014 – Head of WCC HiCoE Task Force</li> <li>6. 1 July 2010 – 31 July 2014 – Academic Advisor, SET Students</li> <li>7. 2013 – 2014 – Member, WCC Task Force – Activity for WCC Open Day</li> <li>8. 20 May 2014 – Committee, Telecom Exhibition 2014</li> <li>9. 2012 – Jun. 2013 - Secretary, How to Get Yourself Employed (HTGYE) Program, Faculty of Electrical Engineering, UTM</li> <li>10. 2011 – 2012 - Committee and Panel Member, Telecommunication Exhibition, Faculty of Electrical Engineering, UTM</li> <li>11. Jul. 2012 - Task Force Committee, Preparation of UTM-SKMM MoU Signing Ceremony</li> <li>12. Feb 2011 – 2012 - Committee and Instructor, Harvard Business School – Case Study. Faculty of Electrical Engineering, UTM</li> <li>13. Dec. 2010 – 2011 - Task Force Committee of Document Preparation for MQA Executive Diploma 2011. SPACE, Faculty of Electrical Engineering, UTM</li> <li>14. 1 Oct. 2010 – 31 Mar. 2011 – Committee, Document Preparation for COPPA-MEG 2011. Faculty of Electrical Engineering, UTM.</li> </ol>

	<ol style="list-style-type: none"> <li>15. Sep. 2010 - 2011 – Committee, Preparation of Document for Engineering Accreditation Council Malaysia (EAC), Faculty of Electrical Engineering, UTM.</li> <li>16. 2010 – 2011 – Coordinator, WCC Visiting Professor/Lecturer</li> <li>17. July 2010 - Task Force Committee, Sultan Johor’s Visit to WCC/UTM</li> <li>18. 2009 - 2010 - Substantive Editor, Ensiklopedia Sains dan Teknologi (UTM-DBP)</li> <li>19. 2009 – 2011 – Committee, WCC Stock Book</li> <li>20. 2009 – 2012 – Committee, WCC Multimedia</li> <li>21. 2010 - 2011 – Secretary, Seminar and Short Course Committee, Faculty of Electrical Engineering, UTM.</li> <li>22. 2009 – Jan. 2010 - Internal Auditor of Academic Performance Audit (APA), Faculty of Electrical Engineering, UTM.</li> <li>23. 1 April 2016 – 31 March 2018 – District Liaison Officer (Pontian), Institut Inovasi Strategik Johor (IISJ) - UTM</li> <li>24. 21 Mac 2016 – Assistant District Liaison Officer in conjunction with Synergy Symposium between HEI (higher education institutions), Industry and Johor Government in Strengthening Innovation</li> <li>25. 2013 – 2014 – Member of Task Force Committee for RA &amp; COE KPI Review</li> <li>26. 2011 – present – Evaluator, Assessment of Research University Grant (GUP) Proposal</li> </ol>
<b>Professional Post(if any)</b>	<ol style="list-style-type: none"> <li>1. Member, Lembaga Jurutera Malaysia, Membership No: 79212A, 25 June 2012-present</li> <li>2. Member, Institute of Electrical and Electronics Engineers (IEEE), 2001 – present</li> <li>3. Member, The Applied Computational Electromagnetics Society, 2016 – present</li> <li>4. Member, Australian Research Council Communications Research Network (ACoRN), 2005 - present</li> </ol>

## RESEARCH PROFILE

<b>Publication</b>	<ul style="list-style-type: none"> <li>• Book Chapter - 9</li> <li>• Journal Article - 35</li> <li>• Conference Paper - 54</li> </ul>
<b>Citation</b>	203
<b>H-index</b>	6

<b>Intellectual property rights</b>	<ul style="list-style-type: none"> <li>• Muhammad Ramlee Kamarudin, Roshayati Yahya, Norhudah Seman, A Textile antenna device. (PI2015702868). 2015.</li> <li>• Muhammad Ramlee Kamarudin, Roshayati Yahya, Norhudah Seman, Textile CPW Koch Antenna For On-Body Communications. (PI2015702878). 2015.</li> <li>• Muhammad Ramlee Kamarudin, Roshayati Yahya, Norhudah Seman, A Flexible Wearable Device for Imaging and Methods for Fabrication Thereof. (PI2015702880). 2015.</li> </ul>
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#### RESEARCH SUPERVISION

<b>Completed</b>	<ul style="list-style-type: none"> <li>• PhD: 6</li> <li>• MSc: 7</li> </ul>
<b>Current</b>	<ul style="list-style-type: none"> <li>• PhD: 6</li> <li>• MSc: -</li> </ul>

#### AWARDS & RECOGNITIONS

<ol style="list-style-type: none"> <li>1. Bronze Medal, Innovation Technology Expo 2016, Universiti Malaysia Sarawak Invention: Design of low cost 5G coupler for the use in Intelligent Transportation System (ITS)</li> <li>2. Bronze Prize, Seoul International Invention Fair 2012 (SIIF 2012) Invention: Antenna Integrated with Band Pass Filter for Frequency Agile Application</li> <li>3. First Prize Best Paper Diamond Award in IEEE International Conference on Antennas, Propagation and Systems: Title of Paper: Multi-port reflectometers formed by UWB microstrip-slot couplers and dividers Authors: N. Seman, M. E. Bialkowski and T. Abd Rahman</li> </ol>
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#### CONTRIBUTIONS

<ol style="list-style-type: none"> <li>1. Member of Digital Terrestrial Television Broadcast (DTTB) Working Group – 2014 - present</li> <li>2. Member of Wireless Industry Emission (WIE) Working Group – 2013 – present</li> <li>3. Member of Steering Committee of SKMM and UTM MoU – July 2011 - 2014</li> <li>4. Committee Meeting on Installation of Cellular Communication Infrastructure in Ministry of Health's Institutions / Hospitals (Mesyuarat Jawatankuasa Membincangkan Pemasangan Infrastruktur Komunikasi Selular dalam Kawasan Institusi/Hospital KKM) – 22 September 2010 – 28 February 2011</li> <li>5. Reviewer of National Space Policy (Dasar Angkasa Negara) – 1-2 November 2010</li> </ol>
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#### CONTACT

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