

Centre for Robotics and Industrial Automation (CeRIA)

Universiti Teknikal Malaysia Melaka

For more info, go to ceria.utm.edu.my

VISION, MISSION AND OBJECTIVES

VISION

To be the center of excellence for the advancement in robotics & industrial automation engineering

MISSION

- Conducts researches in new technologies, consultations, testing and also new product developments
- Support the post-graduate programs through university-industry collaborations

- To encourage smart industry based research through close relationship by applying collaboration in research and development

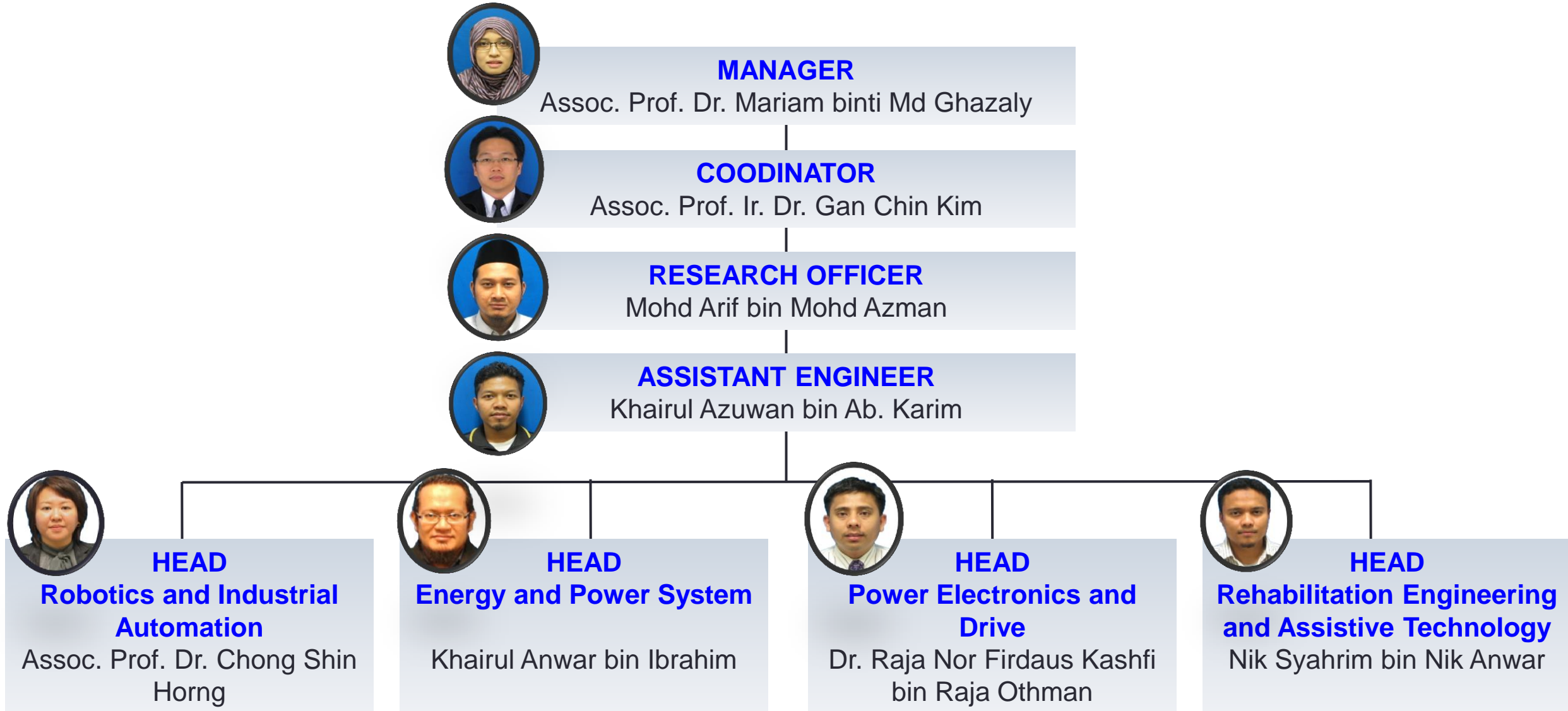
- To encourage industrial based research through synergetic relationship by co-operative execution of research and development

- To establish ties amongst other research institutions in stabilizing and broadening of Research and Development center

- To develop advanced and current technology for the advancement of the nation's socio-economy

OBJECTIVES

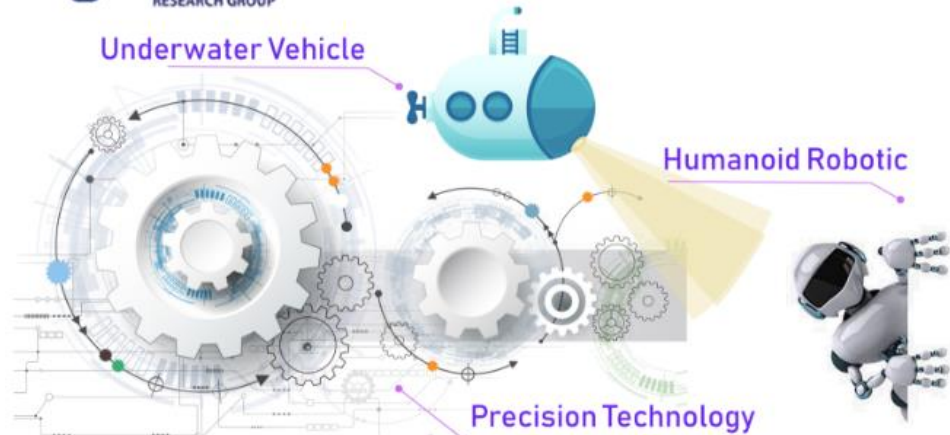
CeRIA MANAGEMENT



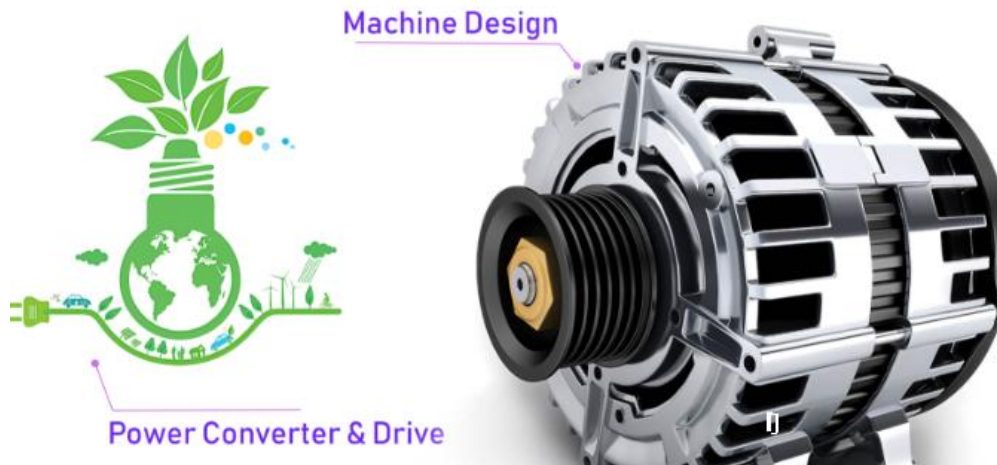
CeRIA RESEARCH THEME



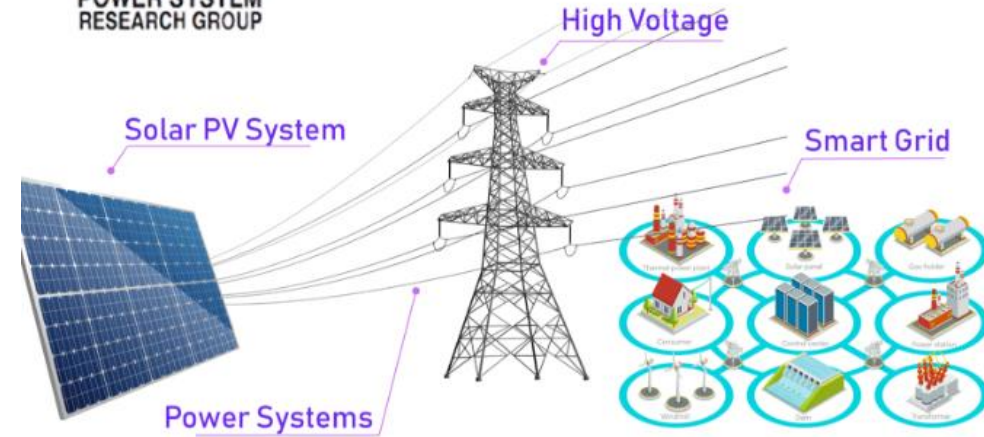
ROBOTICS & INDUSTRIAL AUTOMATION RIA Research Group



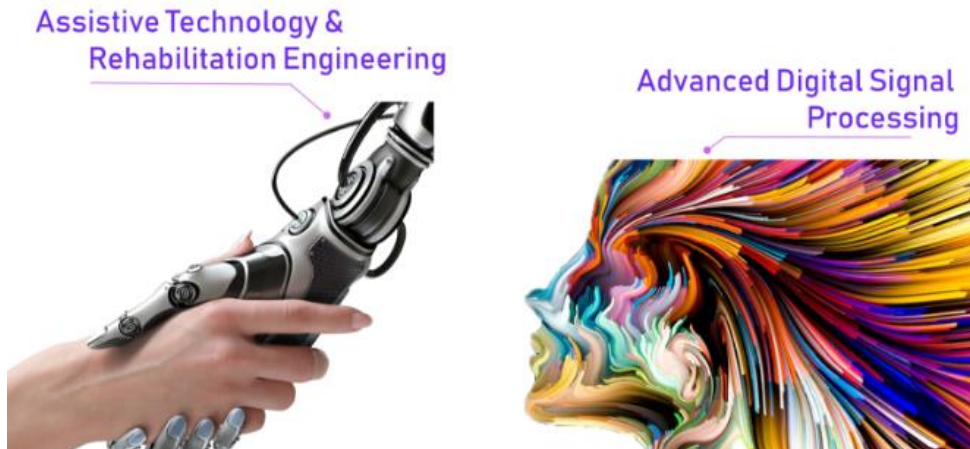

POWER ELECTRONICS & DRIVE PED Research Group




ENERGY AND POWER SYSTEM EPS Research Group








REHABILITATION ENGINEERING AND ASSISTIVE TECHNOLOGY REAT Research Group





CeRIA RESEARCH LABORATORY

Research Group	Research Laboratory	Theme
 Robotics and Industrial Automation (RIA)	Robotics and Industrial Automation Laboratory (RIA Lab)	Humanoid Robotic
	Motion Control Research Laboratory (MCon Lab)	Motion Control Engineering & Precision Technology
	Underwater Technology Laboratory (UT Lab)	Underwater Autonomous Vehicle
 Energy & Power System (EPS)	Energy & Power Systems Laboratory (EPS Lab)	Power System
	Solar PV System & Smart Grid Laboratory (SPSG Lab)	Solar PV System & Smart Grid
	High Voltage Engineering Laboratory (HV Lab)	High Voltage
 Power Electronic & Drives (PED)	Power Electronic & Drives Laboratory (PED Lab)	Power Converter and Drives
	Electric Machine Design Laboratory (EMD Lab)	Machine Design
	Electric Vehicle Drives Laboratory (EVD Lab)	Electric Vehicle Drives
 Rehabilitation Engineering & Assistive Technology (REAT)	Rehabilitation Engineering & Assistive Technology Laboratory (REAT Lab)	Rehabilitation Engineering & Assistive Technology
	Advanced Digital Signal Processing Laboratory (ADSP Lab)	Advanced Digital Signal Processing

CeRIA PROGRAM & ACTIVITIES

- Research
- New Product/Technology Development
- Testing
- Consultation and Services
- Training
- Short Course
- University-Industry Collaboration

INTERNAL JOURNAL



**International Journal of Electrical Engineering
and Applied Sciences (IJEEAS)**



**International Journal of Human and
Technology Interaction (IJHaTI)**

CeRIA INDUSTRY LINKAGE



Thank You

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