

CURRICULUM VITAE



MUH. ANSHAR, S.T., M.Sc. by Research

**The University of Hasanuddin
Jalan Perintis Kemerdekaan KM.10
3rd Floor Electrical Engineering Department
Tamalanrea - Makassar**

Personal Information

First name (Surname)	: Muhammad
Family Name	: Anshar
Gender	: Male
Nationality	: Indonesian
Home Address	: Jalan Korban 40000 Lr. 5 No. 24 Makassar – South Sulawesi- Indonesia
Occupation	: Lecturer
Date of Birth	: 17 August 1977
Phone	: +62 812 800 316 45
Email Address	: anshar@unhas.ac.id
Personal Webpage	: www.unhas.ac.id/anshar

Educational Background

- ☞ M.Sc. By Research, A Master of Science in Computing Sciences by Research at the University of Technology, Sydney, Australia, 2006 till 2009
- ☞ S.T., A Bachelor Degree in Control Systems at the University of Hasanuddin, Makassar, Indonesia, 1998 till 2003

Work Experiences

- ✧ Lecturer at Electrical Engineering Department, University of Hasanuddin, 2005 till present
- ✧ Assistant Lecturer at Electrical Engineering Department, the University of Hasanuddin, 2003 till 2005
- ✧ Technician at the National Panasonic Gobel Indonesia and at the Indonesian Naval Industry for Eastern region Makassar, 1997 till 1998

Scientific Works

- ✧ Indonesia-Australia Cognitive Robotics Project, a joint research between the University of Hasanuddin, Makassar and the University of Technology, Sydney, Australia, Advance Artificial Intelligent Research Community-AAIRC, 2009-2014
- ✧ Team Leader of the research work project at the Research Program for Young Lecturer, Sistem Embedded Real-Time Monitoring pada Jaringan Komputer, Faculty of Engineering, University of Hasanuddin, 2010
- ✧ Member of the research group on Design of Internal Antenna for Digital TV Receiver Devices- Rancang Bangun Antena Internal untuk Perangkat Penerima TV Digital, Direktorat Jenderal Pos dan Telekomunikasi, Departemen Komunikasi dan Informatika Republik Indonesia, Electrical Department, Faculty of Engineering, University of Hasanuddin, April-November 2010
- ✧ Paper Presenter at the First International Workshop on Modern Research Methods (IWORMEE '09), 3-6 August 2009, Makassar - Indonesia
- ✧ Reviewer at the International Symposium and Conference RoboCup 2008, China
- ✧ Member of the University of Technology, Sydney Australia-University of Science and Technology of China Collaboration team at the RoboCup Robot Soccer Team 2008, Suzhou, China (Unleashed-WrightEagle)
- ✧ Paper Presenter at the International Conference on Intelligent and Unmanned Systems, Bali, 24-25 October 2007

- ✧ Reviewer at the International Symposium on Practical Agents and Robots 2006, PCAR 06, the University of Western Australia, Perth, 27-28 November 2006
- ✧ Paper Presenter at the Eight Annual Postgraduate Research Students Conference, University of Technology, Sydney, Australia, 2006
- ✧ Leader of the research group, Research Grant TPSDP Elektro University of Hasanuddin, Batch II/3rd, project title “Instrumentasi Sistem Kendali Presisi pada Rekayasa Sistem Automasi *InTER-KITs*”, 2006
- ✧ Member of the research group, Research Grant TPSDP Elektro University of Hasanuddin, Batch II/2nd, project title “Rekayasa Sistem Cerdas untuk Aplikasi Sistem Mekatronika *RESCUE – ME*”, 2005

Scientific Achievements

- ✧ Embedded Real-Time Monitoring System for Computer Network, Proceeding of Research Project Outcomes of Engineering Faculty University of Hasanuddin, Vol. 4, December 2010
- ✧ Dynamixel Motor-based Actuator for Mobile Robot Design, Proceeding of the 2nd Makassar International Conference on Electrical Engineering and Informatics, Makassar, 27 - 28 October 2010
- ✧ A Simplified Model of Light Illumination Meter, Proceeding of the 2nd Makassar International Conference on Electrical Engineering and Informatics, Makassar, 27 - 28 October 2010
- ✧ Directed Learning-based Evolutionary Approach for Legged Robot Motion, LAP Lambert Academic Publishing AG& Co. KG, Germany, July 2010
- ✧ Embedded Robotics Application, Proceeding of the First International Workshop on Modern Research Methods in Electrical Engineering (IWoRMEE '09), 3-6 August 2009, Makassar - Indonesia
- ✧ Research Prospects in Electrical Engineering and Informatics at Hasanuddin University: Trend and Challenges, Proceeding of the First International Workshop on Modern Research Methods in Electrical Engineering (IWoRMEE '09), 3-6 August 2009, Makassar – Indonesia

- ✧ Design and Implementation of Illumination Level Detector Using Microcontroller ATmega 8535, Scientific Journal of Electrical Department, Faculty of Engineering, University of Hasanuddin, JIEE, Vol. 6/3, September-December 2008
- ✧ The Bear Project: A Cognitive Approach to Robotics, the Eighteenth International Conference on Automated Planning and Scheduling, ICAPS-2008 System Demo Papers, September 14 – 18, 2008, Sydney – Australia
- ✧ As a team member, Runner Up of the International RoboCup Robot Soccer 2008 in Suzhou China
- ✧ Extended Evolutionary Fast Learn-to-Walk Approach for Four-Legged Robot, the International Journal of Bionic Engineering, Vol. 4/No. 4 December 2007, Elsevier- Science Press
- ✧ Extended Evolutionary Fast Learn-to-Walk Approach for Four-Legged Robot, the International Conference on Intelligent and Unmanned Systems, 24-25 October 2007, Bali, Indonesia
- ✧ Adaptive Localizations of AIBO Robots in Dynamic Environment, the Eighteenth Annual Postgraduate Research Students Conference, 8 September 2006, Sydney, Australia

Students Related Activities

- ✧ UNHAS Robot Team Supervisor, Paraikatte, in Indoneisa Robot Contest-KRI 2010 National Level, Malang, 2010
- ✧ Guest Speaker in the launching of Student Activity Unit on Science and Scientific Reasoning-based, University of Hasanuddin, April 2010
- ✧ Supervisor for the Celebes Robot Contest, East Region Robot Contest, University of Hasanuddin, November 2009
- ✧ UNHAS Robot Team Supervisor, Denge Doja, in Indonesia Robot Contest-KRI 2009 National Level, Yogyakarta, 2009
- ✧ UNHAS Robot Team Supervisor in Indonesia Robot Contest-KRI 2006 National Level, Jakarta, 2006
- ✧ Instructor in the Technological and Professional Skills Development Sector Project, ADB Loan, No. 1492-INO, Electrical Engineering Department, University of Hasanuddin Makassar, 2005

- ☞ The co-founder of the robotics community at the University of Hasanuddin, KCT, which was established in 2003

Communal Services Related Activities

- ☞ Communal Services Project, Pelatihan Troubleshooting Praktis pada Rumah Tangga, Bone- south Sulawesi, September 2010
- ☞ Member of the National Selection for State University Committee- SNMPTN, University of Hasanuddin Makassar, Mei 2010
- ☞ Member of the National Examination Committee, Ujian Nasional, for High School, South Sulawesi Province, Academic Year of 2009/2010
- ☞ Guest Speaker at the Guest Talk, Academy of Industrial Technique Makassar- ATIM, November 2009
- ☞ Communal Service Project, Pelatihan Modul Mikrokontroler untuk Sekolah Menengah Tingkat Atas atau Sederajat, Makassar 2009

Research Expertise and Interests

- ☞ Artificial Intelligence Robotics
- ☞ Learning application for legged locomotion
- ☞ Robot navigation, planning, mapping, localization and agent communication (multi agents)
- ☞ Biological inspired robot gaits
- ☞ Evolutionary based learning approach
- ☞ Human and robot interaction
- ☞ Optimisation based approaches, including Neural Networks, Reinforcement Learning and Evolutionary-based
- ☞ Artificial General Intelligence (current issues)

Educational Award

The Australian Partnership Scholarship, AUSAID, 2006 till early 2009

Makassar, 6 April 2011

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