

M. MASUDUR RAHMAN

CURRENT AFFILIATION

Researcher level B (Adjunct) &
Research Fellow @ Vision Lab
Dept. of Information Engineering
RSISE, Buldg. 115
Australian National University
Acton, ACT 0200
Australia

EDUCATION

March 2004, Kitakyushu, Japan

- **Ph.D.** in the field of computer science, Major in Computer vision & image processing, Result-Excellent (Equivalent to 4.0/4.0)
Graduate school of engineering, Kyushu Institute of Technology
Thesis- Automatic human posture and motion recognition employing a tuned eigenspace technique
Supervisor: Prof. Seiji Ishikawa

March 2001, Kitakyushu, Japan

- **Master of Engineering** in the field of computer science, Major in Computer vision & image processing, Result-Excellent (Equivalent to 3.75/4.0)
Graduate school of engineering, Kyushu Institute of Technology
Thesis- Automatic human model recognition employing an eigenspace technique
Supervisor: Prof. Seiji Ishikawa

University Address: 1-1 Sensuicho, Tobata, Kitakyushu, Japan 804-8550 Tel: +81 93 884 3191, Web: www.kyutech.ac.jp

June 1997, Khulna, Bangladesh

- **Bachelor of Science and Engineering** in the field of mechanical engineering, major in mechanical and production engineering, Result-Good.
Faculty of mechanical engineering, Khulna University of Engineering & Technology (KUET)
Thesis- Design, construction and testing of a parabolic solar collector
Supervisor: Prof. K. A. Kazim

University Address: Phulbarigate, Khulna 9201, Bangladesh, Telefax: + 880 41 774403,
Web: www.kuet.ac.bd

RESEACH INTEREST

- Detection of moving vehicle, development of driver's assistant system, and human motion analysis-a smart car project (*on going work*)
- Non-contact based blood flow and vein's position measurement using thermal camera-thermal project (*on going work*)
- Driver's activity recognition for developing a car black box (*proposed work*)
- Human identification using eigenfaces and eigenears (*work done in Japan*)
- Obstacle detection for road safety-*(proposed work)*
- Road sign and traffic hazard detection for driver's safety, etc. (*group works currently on going*)

TEACHING INTEREST

- Image Processing, fundamentals and advanced
- Modern computer vision, fundamentals and advanced
- Robots with intelligent vision, fundamentals
- Thermography, fundamentals
- Biometric techniques, fundamentals
- Pattern recognition, fundamentals & advanced
- Artificial Intelligence, fundamentals
- Operations research and optimization-fundamental and advanced

EMPLOYMENT RECORDS

- **Research Scientist level B@ National ICT Australia, Canberra Lab. & Adjunct faculty** of Australian National University affiliated with the dept. of information engineering
Canberra, Australia, Since April 2005~
- Lecturer @ Kyushu Institute of Technology
SVBL affiliated with the control engineering department
Kitakyushu, Japan, April 2004~March 2005
- Assistant Programmer @ Logitech computers
Dhaka, Bangladesh, July 1997~September 1998
- Consultant engineer@ Harada engineering firm for 3 years

RESEARCH PUBLICATIONS

See the 'publications' at <http://users.rsise.anu.edu.au/~masud/>

AWARD, SCHOLARSHIP & FUND

Awards

- 2004-Excellent student award by IEEE Fukuoka section
- 2002-Outstanding research award by KMECA, Kitakyushu, Japan
- Highest number of publications during Ph.D. in KIT (Achievement)

International Recognition

- 2004-International Who'swho selection
- 2004-Macquarie's who'swho selection
- 2005-international science who'swho selection

Scholarships

- 1992-1995: University technical merit scholarship
- 1998-2004: Monbusho scholarship provided by Japanese government.

Fund Achieved

- Financial award for promoting research from Meisenkai foundation (three times), Japan
- Grants from the IEEE Robotics and Automation society, IEEE society, USA
- Grants from the International Society for Optical Engineering, SPIE society, USA
- Grants from the Telecommunication Advancement Foundation, Japan
- Grants from the Mitutoyo Association for Science and Technology, Japan
- Grants from the FANUC FA and Robot foundation, Japan

- Grants from the Inoue foundation, Japan
- Grants from the C&C foundation, Japan
- Grants for outstanding research by Kitakyushu medical and engineering cooperative society, Japan
- Grants from the International Information Science foundation, Japan, etc.

COLLABORATION

NICTA-AIS collaboration (in progress)
Ishikawa Lab, Control engineering department, Kyushu Institute of Technology (in progress)
KUET-KIT Linkage program (established)

TECHNICAL SOCIETY MEMEBERSHIPS

- IEEE
- The IEEE Computer Society
- The IEEE Robotics and Automation Society, and
- The SPIE (Optical society of America)

Hobby

- Cricket & Tennis
- Watching historical movie
- Watching figure skating, synchronizing dance

CONTACTS

13 Phelp Court, Amaroo, ACT 2914
Australia
Tel.: 04 2224 2666
Email: Masud.Rahman@anu.edu.au