Curriculum Vitae

Name: **LEOW** Wee Kheng

Appointment: Associate Professor
Organization: Department of Computer Science, School of Computing, National University of Singapore
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Education

- Ph.D. Computer Science, The University of Texas at Austin, 1994
- M.Sc. Computer Science, National University of Singapore, 1989
- B.Sc. Computer Science, National University of Singapore, 1985

Career History

- Associate Professor, Jan 2002 – present
  Dept. of Computer Science, School of Computing, National University of Singapore
- Lecturer / Assistant Professor, Mar 1995 – Dec 2001
  Dept. of Computer Science, School of Computing, National University of Singapore
- Software Engineer, Jun 1992 – Nov 1993
  Pavilion Technologies, Inc., Austin, Texas, USA

Research Interests: Surgery planning, medical image analysis, computer vision, image processing.

Research Collaborators:

- Local collaborators: National University Hospital, Singapore General Hospital, Singapore Skin Centre.
- Overseas collaborators: National Taiwan University.

Publications: more than 130 conference papers, journal papers, and book articles

Patents Granted

- Invariant Texture Matching for Image Retrieval (US 6192150, granted on 20 Feb 2001)
- Frontier Advancing Polygonization (US 7091969, granted on 15 Aug 2006)
- Method and Systems for Detection of Bone Fractures (US 8064660 B2, granted on 22 Nov. 2011)
- Method of Analysing Skin Images Using a Reference Region to Diagnose a Skin Disorder (Singapore 166595, granted on 15 Jan 2013)

Latest Patent Filed

- Non-Rigid Registration of Complex 3D Models with Flip-Avoiding Interpolating Surface and Reconstruction of Skull Models for Craniomaxillofacial Surgery Planning, Forensic Investigation and Anthropological Study, Singapore Patent 10201610236W, filed on 6 Dec 2017.

Research Grants

- 12 research grants awarded, totaling $2.7 million.

School Committees and Labs

- CS Curriculum Committee Member, July 2014 – present
- CS Curriculum Chair, July 2005 – June 2014
- School Curriculum Committee Member: Apr 1998 – 2000
- Graduate Studies Committee Member: 2001 – June 2005
- Communications and Media Programme (B.Comp. CM) Committee Member: 2001 – June 2005
- Associate Director, CHIME, Aug 1999 – 2005

Professional Activities

- Program Co-Chair: CIVR 2005, SinFra '09.
- Organizing Committee member: MMM '97, 2000, PG '98, RoboCup '97, ICME 2004
- Program Committee member: ICCV 2007–2017, ICIP 2004–2017, CVPR 2009, 2016, ICPR 2012–2014, ACCV 2006–2014, MICCAI 2007, 2017.
- Conference Session Chair: CGI 2013