

Yingxin Wu

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Gender: Female
Nationality: Australia

EDUCATION ◇ **University of Sydney**, Sydney, Australia
Ph.D. in Information Visualization, expected graduation: October 2007.

◇ **University of Sydney**, Sydney, Australia
M.Sc. in Information Technology, graduation: July 2003.

◇ **South China University of Technology**, Guangzhou, China.
B.S. in Computer Science, graduation: July 2001.

◇ **Scholarships**

- Scholarship of the National ICT Australia (March 2004 – present)
- Scholarship of the South China University of Technology (1997 – 2001)

RESEARCH Information visualization, Graph Drawing, Neural Networks

INTERESTS

PUBLICATION ◇ Current research project: Visualizing Multivariate Networks Using GeoSOM.

- Visualizing Multivariate Networks: A Hybrid Approach. Yingxin Wu, Masahiro Takatsuka. *IEEE Pacific Visualization Symposium 2008*, Kyoto, Japan, 2006. (To Appear).
 - Spherical Self-Organizing Map using Efficient Indexed Geodesic Data Structure. Yingxin Wu, Masahiro Takatsuka. Special Issue of *Journal of Neural Network*, Vol 19, Issue 6-7, July - August 2006, pp 900-910.
 - Visualizing Multivariate Network Using GeoSOM and Spherical Disk Layout. Yingxin Wu, Masahiro Takatsuka, Richard Webber. *IEEE Symposium on Information Visualization 2006* (poster), Baltimore, Maryland, USA, 2006
 - Visualizing Multivariate Network on the Surface of a Sphere. Yingxin Wu, Masahiro Takatsuka. Asia-Pacific Symposium on Information Visualization 2006 (APVIS2006), Tokyo, Japan, 2006.
 - Fast Spherical Self Organizing Map—Use of Indexed Geodesic Data Structure. Yingxin Wu, Masahiro Takatsuka. *Workshop on Self-Organizing Maps 2005* (WSOM05), Paris, France 2005.
 - Geodesic Self-Organizing Map. Yingxin Wu, Masahiro Takatsuka. *Conference on Visualization and Data Analysis 2005* (VDA 2005), Part of IS&T/SPIE's International Symposium on Electronic Imaging 2005 .
- ◇ Research project: Information visualization with application to biological and social network analysis.
- Visualization and Analysis of Email Networks. Xiaoyan Fu, Seokhee Hong, Nikola S. Nikolov, Xiaobin Shen, Yingxin Wu, Kai Xu. *IEEE Asia-Pacific Symposium on Visualization 2007* (APVIS2007), Sydney, Australia, 2007.
 - Visualisation and Analysis of Large and Complex Scale-free Networks. Adel Ahmed, Tim Dwyer, Seok-Hee Hong, Colin Murray, Le Song and Ying Xin Wu. *Eurographics IEEE VGTC Symposium on Visualization 2005*. Leeds, United Kingdom, 2005

- Visualisation and Analysis of Network Motifs. Weidong Huang, Colin Murray, Xiaobin Shen, Le Song, Ying Xin Wu, Lanbo Zheng. *IEEE 9th International Conference Information Visualization 2005 (IV2005)*, London England, 2005.
- Wilma Scope Graph Visualization. Adel Ahmed, Tim Dwyer, Colin Murray, Le Song, Yingxin Wu. Student First Prize, *IEEE Symposium on Information Visualization Contest 2004*.

◇ Research project: Color selection interfaces

- Three Dimensional Colour Pickers. Yingxin Wu, Masahiro Takatsuka. *Asia-Pacific Symposium on Information Visualization 2005 (APVIS2005)*, Sydney, Australia 2005.

INTERNSHIP ◇ **Project:** Visualizing Document Query Results
Institute: National Institute of Informatics, Japan (July 2007 – September 2007)

SKILLS ◇ *Programming Languages:* Java, Java 2D&3D, C, C++, Matlab, XML, HTML
◇ *Presenting Tools:* latex, Word, Excel, PowerPoint
◇ *Operating Systems:* MS-Windows, Linux
◇ *Natural Languages:* Fluent spoken/written English, Mandarin, Cantonese

WORKING ◇ **Research Assistant**, IMAGEN Program, National ICT Australia (Sep 2003 – Apr 2004)
EXPERIENCE Duty: Programming for research projects, maintain computer hardware/network connectivity, software purchase and troubleshooting.
◇ **Research Assistant**, School of Information Technologies, The University of Sydney, (Dec 2002 – Feb 2003)
Duty: Implement GUI for Wilma 3D visualization system using Java and Java3D.

CERTIFICATES ◇ Cisco Certified Network Associate 2002
◇ IBM Certified Solutions Expert DB2 VDB V5 Database Administration 2001
◇ IBM Certified Specialist AIX V4.3 System Administration 2000

HOBBIES ◇ Swimming
◇ Table Tennis

REFERENCES

Prof. Peter Eades School of Information Technologies The University of Sydney N.S.W. 2006, Australia Phone: +61 2 8374 5550 Email: peter@it.usyd.edu.au	Dr. Masahiro Takatsuka School of Information Technologies The University of Sydney N.S.W. 2006, Australia Phone: +61 2 9351 5903 Email: masa@it.usyd.edu.au
Dr. Tim Dwyer School of Computer Science and Software Engineering The Monash University Victoria 3800, Australia Phone: +61 3 9905 5189 Email: Tim.Dwyer@infotech.monash.edu.au	Dr. Michael Houle National Institute of Informatics 2-1-2 Hitotsubashi, Chiyoda-ku Tokyo 101-8430, Japan Phone: +81 3 4212 2538 Email: meh@nii.ac.jp