

Associate Professor Dr. Chua Hui Na

Position: Associate Professor
E-Mail: huinac@sunway.edu.my
Office Extension: 7138



Education:

PhD in Computer Science, University of Nottingham, UK (Full scholarship by British Telecommunications Plc.)

MSc in Information Systems, University of Hertfordshire, UK.

Teaching:

Database Fundamentals

Database Management Systems

Data Mining & Knowledge Management

Brief Employment History:

British Telecommunications Plc. : Technical Team Lead/Research Project Manager

Western Digital Sdn Bhd : System Analyst

Dunlop Malaysia Industries Berhad : Application Engineer

Research Interests:

Data Modelling, Entity Linking, Unstructured text mining, Dynamic adaptive systems

Technology Patents Filed:

1. **Chua Hui Na**, W. J. Khoo, Y. C. Ngeow, System and method for selective content delivery, British Telecommunications Plc, IPD case number B321232, Filing year 2010.
2. **Chua Hui Na**, W. J. Khoo, Y. C. Ngeow, Method and system for providing representative AS, British Telecommunications Plc, IPD case number A32002, Filing year 2010.
3. WO 2009/122128. **Chua Hui Na**: Dynamic service generation in IMS network, British Telecommunications Plc, October , 2009.

4. WO 2008/015417. **Chua Hui Na**: Automatic composition of web services based on syntactic and semantic rules, British Telecommunications Plc, February, 2008.
5. WO 2008/015398. **Chua Hui Na**: Method and system for web service selection, British Telecommunications Plc, February, 2008.
6. **Chua Hui Na**, L. F. Yap, W. J. Khoo., Unknown call handling system, British Telecommunications Plc. IPD case number A31438, 2007.
7. EP1869583. **Chua Hui Na**: Content adaptation, British Telecomm, December, 2007.
8. **Chua Hui Na**, Simon Beddus, D. Roxburgh, Communications System, British Telecommunications Plc, IPD case number A30727, 2006.
9. CN 200480028534. Scott Simon David, **Chua Hui Na**, Ng See Long: Web content adaptation process and system, British Telecommunications Plc, November, 2006.
10. EP1668542. Scott Simon David, **Chua Hui Na**, Ng See Long: Web content adaptation process and system, British Telecommunications Plc, June, 2006.
11. WO 2006/103392. **Chua Hui Na**: Content adaptation. British Telecommunications Plc, October, 2006.
12. WO 2005/033969. Scott Simon David, Chua Hui Na, Ng See Long: Web content adaptation process and system. British Telecommunications Plc, April, 2005.
13. Chua Hui Na. A server-based approach of measuring priority values of multimedia content clusters. British Telecommunications Plc. IPD case number A30674. 2006.
14. EP1604305. **Chua Hui Na**, Ng See Leng: Web content adaption process and system. British Telecommunications Plc, December, 2005.
15. CA 2538626. Scott Simon David, **Chua Hui Na**, Ng See Leng: Web content adaptation process and system. / Procédé et système d'adaptation de contenu web, British Telecommunications April, 2005.
16. **Chua Hui Na**, Simon Beddus, Alan Cardus. Mobile Payment & Purchasing. BT IPD case number A30727. Filing year, 2005.
17. WO 2004/083990. **Chua Hui Na**, Ng See Leng: Web content adaption process and system. British Telecommunications September, 2004.
18. CA 2517189. **Chua Hui Na**, Ng See Leng: Web content adaption process and system. Procédé et système d'adaptation de contenu web. British Telecommunications September, 2004.

Selected Publications:

Journal Papers:

1. S.M.F.D Syed Mustapha, **Hui Na Chua**, Dynamic Service Composition for Telecommunication Services and Its Challenges. Journal of Ubiquitous Systems & Pervasive Networks, Volume 5, No. 1, 2014.
2. S.M.F.D Syed Mustapha, **Hui Na Chua**, NGN Service Management Using CBR Approach. International Journal of Computer and Information Technology. (ISSN: 2279 – 0764) Volume 02 – Issue 05, September, 2013.
3. **Hui-Na Chua**, Chor-Min Tan, Service Broker Function in IMS Architecture – Issues and Considerations. WSEAS Journal Transaction on Computers. ISSN: 1109-2750. 2008 issues.
4. **Hui-Na Chua**, Scott S.D, Choi Y. W, Enabling Device Independent Co-browsing through Adaptive View Points. Journal of Computer and System Sciences - special issues on Wireless and Mobile Information System, In Press, Corrected Proof, Available online 20 April, 2007.
5. **Hui-Na Chua**, Scott S.D, Choi Y. W, "Adaptive viewpoints for co-browsing on heterogeneous devices", BT Technology Journal, April, 2006 Issues.

6. Kee-Leong Tan, Karyn Wei-Ju Khoo, **Hui-Na Chua**, "Personalization of SOA Registry Query Results: Implementation, Performance Analysis and Scalability Evaluation", International Journal of Information Technology, 2006.

Conference Papers:

1. **Hui-Na Chua**, Patrick Legrand, Karyn Khoo W.J., Simon Ringland, Bruno Legat, Innovative Call Routing: Concept and Experimental Observations. The IEEE International Workshop on Ubiquitous Network Computing, Yilan, Taiwan. December 9-12, 2008.
2. **Hui-Na Chua**, Chor-Min Tan, Service Broker Function in IMS Architecture – Issues and Considerations. WSEAS International Conferences, Crete Island, Greece. July 23-25, 2008.
3. Karyn Wei-Ju Khoo, **Hui-Na Chua**, Cheng-Suan Lee, Kee-Leong Tan. Employing Presence and Profiles in VoIP Services - Enriching User Experience. 21st International Symposium Human Factors in Telecommunication, Kuala Lumpur. March 17-20, 2008.
4. Cheng-Suan Lee, **Hui-Na Chua**, Karyn Wei-Ju Khoo. Implementing Conditional Conference Call Use Case over IMS and Non IMS Testbed experimental results through comparison approach. WSEAS International Conferences, Istanbul, Turkey, May 27-29, 2007.
5. **Hui-Na Chua**, S.M.F.D Syed Mustapha, Web Services Selection based on Multiple-Aspect Similarity Function, International Workshop on Technologies and Application of Knowledge Computing on the Web in conjunction with The 2006 IEEE/WIC/ACM International Conference on Web Intelligence, Hong Kong.
6. S.M.F.D Syed Mustapha, **Hui-Na Chua**, Automated Business Process Identifier From Text-based Input Using Case-Matching, The 10th IASTED International Conference on Artificial Intelligence and Soft Computing, 28-30 August, 2006.
7. **Hui-Na Chua**, Scott S.D, Choi Y. W, "Framework For Co-browsing On Heterogeneous Devices", IEEE International Workshop on Web and Mobile Information System, Vienna, Austria, Vol.2(AINA'06), pp.195-199, 18 April, 2006,