

## ICDIM 2012 Program at a Glance

### Day 1: August 22, 2012

Venue	Time	Event
Foyer	08:30 - 09:30	Registration
Hall 1	09:30 - 10:00	Opening Ceremony
Foyer	10:00 - 10:30	Coffee Break
Hall 1	10:30 - 11:30	Keynote Speech 1: Evidence-based Technology - Case Studies and Interactions, by Prof. Patrick C. K. Hung, UOIT, Canada
Hall 1 and Hall 2	11:30 - 12:50	Parallel Sessions
Canteen	12:50 - 14:00	Lunch
Hall 1 and Hall 2	14:00 - 16:00	Parallel Sessions
Foyer	16:00 - 16:20	Coffee Break
Hall 1 and Hall 2	16:20 - 18:40	Parallel Sessions

### Day 2: August 23, 2012

Venue	Time	Event
Foyer	09:00 - 10:00	Registration
Hall 1	10:00 - 11:00	Keynote Speech 2: Security and Privacy of e-Health: Facts and Challenges, by Prof. Sabah Mohammed, Lakehead University, Canada
Foyer	11:00 - 11:30	Coffee Break
Hall 1 and Hall 2	11:30 - 12:50	Parallel Sessions
Canteen	12:50 - 14:00	Lunch
Hall 1 and Hall 2	14:00 - 16:00	Parallel Sessions
Foyer	16:00 - 16:20	Coffee Break
Hall 1 and Hall 2	16:20 - 18:40	Parallel Sessions

Conference Banquet Dinner: August 23, 2012 at Westin Resorts Macau. Coach transfer from UM Library to Westin at 18:40  
Banquet Dinner & Award Ceremony: 19:00 - 21:00 at Westin Resorts

### Day 3: August 24, 2012

Macau Sightseeing Tour - Please refer to the tentative schedule below

*Shuttle bus, on Day 1 and Day 2, between Westin and UM Library:*

Aug 22: 08:45 Westin → UM Library, 18:40 UM Library → Westin

Aug 23: 09:00 Westin → UM Library, 18:40 UM Library → Westin

On the evening return trip, heading from UM Library to Westin Hotel, passengers may alight at Cotai Strip (路氹金光大道), for visiting Venetian hotel or City of Dreams  
Information about Cotai Strip, a premier entertainment complex is at: <http://www.cotaistrip.com.mo>

# ICDIM 2012 Program - Day 1

Day 1: August 22, 2012

Venue	Time	Paper	Session Chair
Foyer	08:30 - 09:30	Registration	
Hall 1	09:30 - 10:00	Opening Ceremony	
Foyer	10:00 - 10:30	Coffee Break	
Hall 1	10:30 - 11:30	Keynote Speech 1, by Prof. Patrick C. K. Hung, UOIT, Canada	
	11:30 - 12:50	S1: Data Mining I	
Hall 1	11:30 - 11:50	Toward a New Classification Model for Analysing Financial Datasets <i>Nhien-An Le-Khac, N-A. LeKhac and M-Tahar Kechadi</i>	Prof. Lawrence Si
	11:50 - 12:10	Enhancing the Performance of Decision Tree: A Research Study of Dealing with Unbalanced Data <i>Amera Almas, M.A.H. Farquad, N.S. Ranganath Avala and Jabeen Sultana</i>	
	12:10 - 12:30	A Layered Approach to Link Analysis and Visualization of Event Data <i>Yain Whar Si, Se-Hang Cheong, Simon Fong, Robert P. Biuk-Aghai, Tat-Man Cheong</i>	
	12:30 - 12:50	Data Mining for Japanese Collocation <i>Takumi Sonoda and Takao Miura</i>	
	11:30 - 12:50	S2: Natural Language Processing	
Hall 2	11:30 - 11:50	Open Innovation - Adoption Process and Current Status in German SMEs <i>Matthias Birkle, Heiko Gewald</i>	Prof. Heiko Gewald
	11:50 - 12:10	Creating Missing Classes Automatically to Improve Question Classification in Question Answering Systems <i>Maheen Bakhtyar, Asanee Kawtrakul, Junaid Baber and Sher Muhammad Doudpota</i>	
	12:10 - 12:30	Printed Lanna Character Recognition by Using Conway's Game of Life <i>Krisda Khankasikam</i>	
	12:30 - 12:50	Networking, clustering and brokering keywords in the computer science research <i>Jihyoun Park, Tom Z. J. Fu, Dah Ming Chiu</i>	
Canteen	12:50 - 14:00	Lunch	
	14:00 - 16:00	S3: Data Mining II	
Hall 1	14:00 - 14:20	Efficient and Contextual Ranking with Incomplete Preferences: An Equivalence Triangular Condensation Approach <i>Xiang Li and Ling Feng</i>	Prof. Simon Fong
	14:20 - 14:40	On formalizing of Inconsistency and Semi-consistency in Spatio-Temporal Access Control <i>Emsaieb Geepalla</i>	
	14:40 - 15:00	An Approach for Defining Rules as Functions in Rule-Based Software Development <i>Piyanuch Tosanguan and Taratip Suwannasart</i>	
	15:00 - 15:20	A Novel Clustering Algorithm using Voronoi Diagram <i>Damodar Edla and Prasanta K. Jana</i>	
	15:20 - 15:40	A novel clustering algorithm for Unsupervised Relation Extraction <i>Jing Wang, Yang Jing, Yue Teng and Qing Ling</i>	
	15:40 - 16:00	Sentiment Analysis in a Hybrid Hierarchical Classification Process <i>Wei Wei and Jon Atle Gulla</i>	
		(To be continued)	

## ICDIM 2012 Program - Day 1 (continued)

Day 1: August 22, 2012

Venue	Time	Paper	Session Chair
Hall 2	14:00 - 16:00	S4: Information Processing and Retrieval	Prof. Heiko Gewald
	14:00 - 14:20	Ranking Documents with Query and Topic Sensitivity <i>Shota Hatakenaka and Takao Miura</i>	
	14:20 - 14:40	Time Series Classification Method Based on Longest Common Subsequence and Textual Approximation <i>Abdulla Maruf, Hung-Hsuan Huang and Kyoji Kawagoe</i>	
	14:40 - 15:00	The Snippet System - Reusing and Connecting Documents <i>Laurent Kirsch, Jean Botev and Steffen Rothkugel</i>	
	15:00 - 15:20	Introducing faceted views in diversity of online novels <i>Eisuke Ito, Sachio Hirokawa and Kazunori Shimizu</i>	
	15:20 - 15:40	Context-aware group top-k query <i>Xiang Li and Ling Feng</i>	
	15:40 - 16:00	A First Approach to the Evaluation of Arabic Diacritization Systems <i>Alia O. Bahanshal and Hend Al-Khalifa</i>	
Foyer	16:00 - 16:20	Coffee Break	
Hall 1	16:20 - 18:20	S5: Data Mining III	Prof. Sabah Mohammed
	16:20 - 16:40	Evaluating Recommender Systems <i>Wen Wu, Liang He and Jing Yang</i>	
	16:40 - 17:00	WebCap: Inferring the user's Interests Based on a Real-Time Implicit Feedback <i>Nesrine Zemiri</i>	
	17:00 - 17:20	An Efficient Alert Dissemination Protocol In A Vehicular Ad Hoc Network <i>Doukha Zouina, Zouina Doukha, Samira Moussaoui and Noureddine Haouari, Algeria</i>	
	17:20 - 17:40	An Automatic Generation Approach of B Specifications From UML Diagrams <i>Seidali Rehab, Elhillali Kerkouche and Allaoua Chaoui</i>	
	17:40 - 18:00	Anomaly Detection In Structured/Unstructured Crowd Scenes <i>Maryam Mousaarab Najafabadi and Mohammad Rahmati</i>	
Hall 2	18:00 - 18:20	The impact of spatial correlation on performance of SFBC and VBLAST schemes on MIMO-OFDM-LTE <i>Fateme Shahmohammadi and Naaser Neda</i>	Prof. Prasanta Jana
	16:20 - 18:20	S6: Information Security I	
	16:20 - 16:40	An architecture for Web application session switching in virtual organizations <i>Mikaell Ates, Jerome Schneider and Benjamin Dauvergne</i>	
	16:40 - 17:00	Achieving Privacy and Security in Multi-Owner Data Outsourcing <i>Somchart Fugkeaw</i>	
	17:00 - 17:20	Mapping of Vulnerabilities in the Public Cloud with the use of Foundational Ontology: A Perspective for Service IaaS <i>Rita de Cajssia de Castro, Hedwio Carvalho e -Silvab, Anilton Sales Graciac and Marcos José Negreiros Gomes</i>	
	17:20 - 17:40	Introduction of Eviction Strategies for Caching Scalable Media Files <i>Heiko Sparenberg, Matthias Martin and Siegfried Foessel</i>	
	17:40 - 18:00	On A Chain of Transformations for Generating Alloy from NL Constraints <i>Imran Bajwa, Behzad Bordbar, Kyriakos Anastasakis, Mark Lee</i>	
	18:00 - 18:20	Fault-Tolerant and Secure Networked Storage <i>Mo-Che Chan, Jehn-Ruey Jiang and Shing-Tsaan Huang</i>	
18:20 - 18:40	Retina recognition For Biometrics <i>Ryszard Choras</i>		

## ICDIM 2012 Program - Day 2

Day 2: August 23, 2012

Venue	Time	Paper	Session Chair
Foyer	09:00 - 10:00	Registration	
Hall 1	10:00 - 11:00	Keynote Speech 2: Security and Privacy of e-Health: Facts and Challenges, by Prof. Sabah Mohammed, Lakehead University, Canada	
Foyer	11:00 - 11:30	Coffee Break	
Hall 1	11:30 - 12:50	S7: Data Analytics Workshop	
	11:30 - 11:50	Wolf Search Algorithm with Ephemeral Memory <i>Rui Tang, Simon Fong, Xin-She Yang, Suash Deb</i>	Prof. Sabah Mohammed
	11:50 - 12:10	Integrating Nature-inspired Optimization Algorithms to K-means Clustering <i>Rui Tang, Simon Fong, Xin-She Yang, Suash Deb</i>	
	12:10 - 12:30	Graph Mining: A Survey of Graph Mining Techniques <i>Saif Ur Rehman, Asmat Ullah Khan, Simon Fong</i>	
	12:30 - 12:50	Trend Following With Float-encoding Genetic Algorithm <i>Jiahua Luo, Yain-Whar Si, Simon Fong</i>	
11:30 - 12:50	S8: Multimedia I		
Hall 2	11:30 - 11:50	Wish Shop: Designing for a Transmedia Production Model <i>Heejun Lim and Chungkon Shi</i>	Prof. Jinan Fiaidhi
	11:50 - 12:10	Associating and Recalling News Events with Visual Suggestions <i>Hsiang Wang and Wei-Guang Teng</i>	
	12:10 - 12:30	Multi-Device E-Book: Designing For New Reading Experience <i>Se Beom Oh and Chungkon Shi</i>	
	12:30 - 12:50	An Improved Clonal Selection Algorithm for Articulated Human Motion Tracking <i>Yi Li and Zhengxing Sun</i>	
Canteen	12:50 - 14:00	Lunch	
Hall 1	14:00 - 15:00	S9: Information Security II	
	14:00 - 14:20	X-STROWL: A Generalized Extension of XACML for Context-aware Spatio-Temporal RBAC Model with OWL <i>Que Nguyet and Tran Thi Tran Khanh Dang</i>	Prof. Prasanta Jana
	14:20 - 14:40	Specifying Security Requirements of Context Aware System Using UML <i>Saad Almutairi, Giampaolo Bella and Ala Abu-Samaha</i>	
	14:40 - 15:00	Vulnerability Management in Cloud Computing: A Scenario of Public Cloud <i>Rita de Cajssia de Castro, Hedwio Carvalho e Silvab, Anilton Sales Graciac and Marcos José Negreiros Gomes</i>	
	15:00 - 16:00	S11: E-Technologies	
	15:00 - 15:20	E-Government Evaluation: The use of design science approach to build and evaluate customer satisfaction theoretical framework <i>Meng Seng Wong</i>	Prof. Guo Jingzhi
	15:20 - 15:40	Towards an Effective Integrated E-Learning System: Implementation, Quality Assurance and Competency Models <i>Salah Al-Sharhan, Ahmed Al-Hunaiyyan</i>	
15:40 - 16:00	Understanding of ERP systems in Chinese SOEs: A Case Study <i>Si Chen, Guo Chao, Alex Peng, Miguel Nunes, Reza Mojtahed and Lihong Zhou</i>		
		(To be continued)	

## ICDIM 2012 Program - Day 2 (continued)

Day 2: August 23, 2012

Venue	Time	Paper	
Hall 2	14:00 - 14:40	S10: Multimedia II	
	14:00 - 14:20	A Content Based Image Retrieval Using K-means Algorithm <i>Abduljawad Amory, Abduljawad A. Amory, Rachid Sammouda, Hassan Mathkour, Rami Mohammad Jomaa</i>	Prof. Jinan Fiaidhi
	14:20 - 14:40	Automatic Actors Detection in Musicals <i>Sher Muhammad Doudpota and Sumanta Guha</i>	
	14:40 - 16:00	S12: Social Networks I	
	14:40 - 15:00	An Investigation of Non-use and Abandonment of Microblogging <i>Yanru Guo, Dion Hoe-Lian Goh, Kavita Ilangovan, Shengnan Jiao and Xiaotian Yang</i>	Prof. Miguel Baptista Nunes
	15:00 - 15:20	Quantitative Analysis of Trust Factors on Social Network using Feature Selection <i>Simon Fong, Richard Khoury, Maya Yue</i>	
	15:20 - 15:40	Mining Twitterspace for Information: Classifying Sentiments Programmatically using Java <i>Jinan Fiaidhi, Osama Mohammed, Sabah Mohammed, Simon Fong, Tai hoon Kim</i>	
	15:40 - 16:00	Relatedness Need and Users' Satisfaction with Social Network Sites: A Self-Determinant Perspective <i>Xuequn Wang and Yibai Li</i>	
Foyer	16:00 - 16:20	Coffee Break	
Hall 2	16:20 - 17:00	S13: Social Networks II	
	16:20 - 16:40	Opinion Mining over Twitterspace: Classifying Tweets Programmatically using the R Approach <i>Jinan Fiaidhi, Osama Mohammed, Sabah Mohammed, Simon Fong and Tai hoon Kim</i>	Prof. Miguel Baptista Nunes
	16:40 - 17:00	Relatedness Need and Users' Satisfaction with Social Network Sites: A Self-Determinant Perspective <i>Xuequn Wang and Yibai Li</i>	
	17:00 - 18:40	S14: Semantic Web	
	17:00 - 17:20	A Hybrid Approach To Constraint Reasoning in Bio-ontologies <i>Ming Fang and Rajshekhar Sunderaman</i>	Prof. Guo Jingzhi
	17:20 - 17:40	A Semantic Web Service Composition Dynamic Detecting Method <i>Zhou Jie, Ren Jiangchun, Wang Zhiying, Cheng Yong, Mei Songzhu and Wu Jiangjiang</i>	
	17:40 - 18:00	Design Considerations for the Localization of Arabic E-Commerce Websites <i>Aram Al-Sedrani, Hend Al-Khalifa, Saudi Arabia</i>	
	18:00 - 18:20	Learning to Rank in XML Information Retrieval: Which Feature Improve the Best? <i>Messaoud Chaa, Omar Nouali and Kamal Bal</i>	
18:20 - 18:40	On the Evaluation of Linguistic Ontological Models: An Application on the SemQ Ontology <i>Hend S. Al-Khalifa and Maha M. Al-Yahya, Alia Bahanshal and Iman Al-Odah</i>		
Hall 1	16:20 - 18:40	S15: Mobile Data Management	
	16:20 - 16:40	Perceptions of Mobile Human Computation Games: A Study of Engagement and Information Quality <i>Dion Goh, Khasfariyati Razikin, Alton Y. K. Chua</i>	Prof. Robert Biuk-Aghai
	16:40 - 17:00	Haiti Earthquake Photo Tagging: Lessons on Crowdsourcing In-Depth Image Classifications <i>Zhi Zhai, Tracy Kijewski-Correa, David Hachen and Greg Madey</i>	
	17:00 - 17:20	GPS Correction with the Sky-Subimage Recognition <i>Yu-Kumg Chen and Tsun-Ghsien Tsai</i>	
	17:20 - 17:40	Changes That Modularization Makes in Antenna Design <i>Atsushi Maeda, Keiichi Ohizumi</i>	
	17:40 - 18:00	A Study on Distribution Methods of Mobile Applications in China <i>Shang Gao, Zhe Zang and Sundar Gopalakrishnan</i>	
	18:00 - 18:20	A federated architecture for digital information management <i>Saba Sarasvady</i>	
	18:20 - 18:40	A Proposed Model of Knowledge Management in the Software Industry Sector <i>Hui Chen, Gillian Ragsdell, Ann O'Brien, Miguel Baptista Nunes</i>	

# Social Events

**Conference banquet**, BBQ by the Pool, at Westin Hotel, on August 23, 2012, 7pm, and Best Paper Awards Coach pick up at 6:40 pm, UM Library to Westin



Day 3: August 24, 2012

Meeting places:

UM Library 9:00am, Westin Hotel 9:30am

## Macau One Day Tour Arrangement for ICDIM 2012

Time	Attractions	
09:30	Start from Westin Hotel	威斯汀酒店
09:30 - 10:30	Taipa Old Village	氹仔舊城區
10:30 - 12:00	Shopping at Taipa Market	
Lunch	Lunch at an authentic Portugese restaurant	午膳
13:00 - 15:00	The Ruins of St. Paul's, Museum of Macau, Mount Fortress, Sento Square	大三巴牌坊,澳門博物館, 砲台山,議事亭前地噴水池
15:00 - 16:00	A-Ma Temple	媽閣廟
16:00 - 17:00	Penha Church	主教山
17:00	Drop off at New Century Hotel Bus Stop, Vienetian Hotel or Westin Hotel	乘客可以選擇在新世紀巴士站, 威尼斯人巴士站或威斯汀巴士站落車

\* Itinerary subject to change

**Emergency Call:**

110 or 999

**Hospital nearby:**

Kiang Wu Hospital (Taipa Clinic) 鏡湖醫院氹仔醫療中心

Address: 氹仔醫療中心, 氹仔排角路泉福新邨第二期.

Contact: (853) 8895 1001

**Facilities at the campus:**[http://www.umac.mo/facilities\\_map.html](http://www.umac.mo/facilities_map.html)**Free WFI Internet Access:**

User ID: guest601

Password: cxqt3254

*If help is needed on the setup, please proceed to Registration Desk***Restaurants near the campus:**

Restaurante Dumbo 小飛象葡國餐廳

Address: 氹仔地堡街喜來登廣場地下一個舖連1樓. (853) 2882 7888

Domgalo Portuguese Food 公雞葡國餐廳

Address: 氹仔舊城區官也街47號地下. (853) 2882 7318

Panda Portuguese Restaurant 熊貓葡國餐廳

Address: 氹仔舊城區施督憲正街4-8號地下. (853) 2882 7338

Koi Kei Bakery 鉅記餅家

Address: 氹仔舊城區官也街11-13號地下舖. (853) 2882 7458

*If help is needed on making a reservation, please proceed to Registration Desk***Taxi Service:***We can help you to call for a taxi*

UM is a smoke-free campus

**Food and Beverage:**

Lunches and coffee breaks are included during the conference

Extra conference dinner coupons are available for purchase at MOP560 each (or USD70)

Please inquire at the Registration Desk, should you wish to purchase extra dinner coupon

**Lunch Venue:**

Buffet lunches will be provided at the Library Café (Canteen)

Please refer to the map below for direction to Library Café (Canteen)

**A conference hotline is available if you need any help at any time**

(853) 62077085

