

曾憲雄 老師

**現職** 資訊多媒體應用學系 講座教授

**學歷** 國立交通大學 計算機工程學系 博士

**專長1** Machine Learning機器學習

**專長2** Expert System 專家系統

**專長3** Data Mining資料探勘

**專長4** e-Learning數位學習

**專長5** Parallel Processing平行處理

**專長6** Web Technology網路應用軟體技術

### 教師研究成果資料明細



#### SCI、SSCI、A&HCI、EI、TSSCI期刊論文

1. 時文中(Wen-Chung Shih)、曾憲雄(Shian-Shyong Tseng)\*, 2009-01, (已刊登)

EDUCATIONAL TECHNOLOGY & SOCIETY 12卷1期:82頁~106頁  
A Knowledge-based Approach to Retrieving Teaching Materials for Context-aware Learning

2. 時文中(Wen-Chung Shih)、曾憲雄(Shian-Shyong Tseng)\*, 2008-11, (已刊登)

COMPUTERS & EDUCATION 51卷3期:1037頁~1057頁  
Wiki-based Rapid Prototyping for Teaching-Material Design in e-Learning Grids

3. 曲衍旭(Yian-Shu Chu)、曾憲雄(Shian-Shyong Tseng)\*、蔡雨杰(Yu-Jie Tsai)、羅仁杰(Ren-Jei Luo), 2008-, (已刊登)

EXPERT SYSTEMS WITH APPLICATIONS 40卷3期:5頁~12頁  
An Intelligent Questionnaire Analysis Expert System

4. 時文中(Wen-Chung Shih)、曾憲雄(Shian-Shyong Tseng)\*、楊朝棟(Chao-Tung Yang), 2008-, (已刊登)

EDUCATIONAL TECHNOLOGY & SOCIETY 11卷2期:206頁~226頁  
Using Taxonomic Indexing Trees to Efficiently Retrieve SCORM-compliant Documents in e-Learning Grids

5. 時文中(Wen-Chung Shih)、曾憲雄(Shian-Shyong Tseng), 2008-04, (已刊登)

JOURNAL OF SUPERCOMPUTING 44卷1期:1頁~23頁  
Dynamic Partitioning of Loop Iterations on Heterogeneous PC Clusters

6. 時文中(Wen-Chung Shih)、曾憲雄(Shian-Shyong Tseng), 2007-09, (已刊登)

JOURNAL OF SUPERCOMPUTING 41卷3期:247頁~267頁  
A Performance-based Parallel Loop Scheduling on Grid Environments

7. 林順傑(Shun-Chieh Lin)、曾憲雄(Shian-Shyong Tseng)\*、鄧嘉文(Chia-Wen Teng), 2008-02, (已刊登)

EXPERT SYSTEMS WITH APPLICATIONS 34卷2期:833頁~844頁  
Dynamic EMCUD for knowledge acquisition

8. 李威勳(Wei-Hsun Lee)、曾憲雄(Shian-Shyong Tseng)\*、蔡昇漢(Sheng-Han Tsai), 2009-04, (已刊登)  
EXPERT SYSTEMS WITH APPLICATIONS 36卷3期:4239頁~4247頁  
A Knowledge base Real-Time Travel Time Prediction System for Urban Network
9. 林喚宇(Huan-Yu Lin)、曾憲雄(Shian-Shyong Tseng)\*、翁瑞鋒(Jui-Feng Weng)、蘇俊銘(Jun-Ming Su), 2009-, (已刊登)  
EDUCATIONAL TECHNOLOGY & SOCIETY 12卷3期:248頁~265頁  
Design and Implementation of an Object Oriented Learning Activity System
10. 李威勳(Wei-Hsun Lee)、曾憲雄(Shian-Shyong Tseng)\*、王景弘(Ching-Hung Wang), 2008-08, (已刊登)  
COMPUTER COMMUNICATIONS 31卷12期:2925頁~2933頁  
Design and Implementation of Electronic Toll Collection System Based on Vehicle Positioning System Techniques
11. 曾憲雄(Shian-Shyong Tseng)\*、蘇培綺(P. C. Sue)、蘇俊銘(J. M. Su)、翁瑞鋒(J. F. Weng)、蔡文能(W. N. Tsai), 2007-11, (已刊登)  
COMPUTERS & EDUCATION 49卷3期:691頁~707頁  
A new approach for constructing the concept map
12. 時文中(Wen-Chung Shih)、曾憲雄(Shian-Shyong Tseng), 2010-02, (已刊登)  
Journal of Internet Technology 11卷2期:215頁~226頁  
Using an interactive approach to finding right tutors on P2P tutoring grids
13. 時文中(Wen-Chung Shih)、楊朝棟(Yang, Chao-Tung)\*、曾憲雄(Shian-Shyong Tseng), 2010-02, (已刊登)  
JOURNAL OF SUPERCOMPUTING 52卷2期:171頁~198頁  
Performance-based data distribution for data mining applications on grid computing environments
14. 董元昕、曾憲雄(Shian-Shyong Tseng)\*、劉至軒, 2010-03, (已刊登)  
Beijing Jiaotong Daxue Xuebao/Journal of Beijing Jiaotong University  
34卷3期:42頁~47頁  
運用CMMI流程領域於電信系統測試管理之設計與實作
15. 曾憲雄(Shian-Shyong Tseng)\*、廖岳祥(Anthony Y. H. Liao), 2010-03, (已刊登)  
EXPERT SYSTEMS WITH APPLICATIONS 37卷3期:2427頁~2438頁  
A rule-based CBR approach for expert finding and problem diagnosis
16. 曾憲雄(Shian-Shyong Tseng)\*, 2010-03, (已刊登)  
INTERACTIVE LEARNING ENVIRONMENTS 18卷1期:81頁~99頁  
Finding Trustworthy Experts to Help Problem Solving on the Programming Learning Forum
17. 曾憲雄(Shian-Shyong Tseng)\*, 2010-, (已刊登)  
FUNDAMENTA INFORMATICAE 98卷1期:33頁~47頁  
Discovering the Radio Signal Coverage Hole and Weak Coverage Area in Mobile Network by Spatiotemporal Data Mining on Location-Based Services
18. 李威勳(Wei-Hsun Lee)、曾憲雄(Shian-Shyong Tseng)\*、(Wern-Yarng Shieh), 2010-01, (已刊登)  
INFORMATION SCIENCES 180卷1期:62頁~70頁  
Collaborative real-time traffic information generation and sharing framework for the

intelligent transportation system

19.曾憲雄(Shian-Shyong Tseng)\*、林順傑(Shun-Chieh Lin),2009-03, (已刊登)

EXPERT SYSTEMS WITH APPLICATIONS 36卷2期:2433頁~2450頁

VODKA: Variant Objects Discovering Knowledge Acquisition

20.時文中(Wen-Chung Shih)、曾憲雄(Shian-Shyong Tseng)、楊朝棟(Yang, Chao-Tung),2010-04, (已刊登)

Proceedings - 2010 International Conference on Information Science and Applications, ICISA 2010 1卷1期:126頁~133頁

Performance study of parallel programming on cloud computing environments using MapReduce

21.時文中(Wen-Chung Shih)、曾憲雄(Shian-Shyong Tseng)\*、楊朝棟(Yang, Chao-Tung)、廖岳祥(Anthony Y. H. Liao),2010-04, (已刊登)

Proceedings - 6th IEEE International Conference on Wireless, Mobile and Ubiquitous Technologies in Education, WMUTE 2010 1卷1期:122頁~125頁

Generating adaptive learning sheets for museum tour guide in U-learning grid environments

22.時文中(Wen-Chung Shih)、曾憲雄(Shian-Shyong Tseng),2009-04, (已刊登)

International Conference on Education Technology and Computer, ICETC 2009 1卷1期:106頁~110頁

A two-phased approach to retrieving learning content in peer-to-peer grids

23.曾憲雄(Shian-Shyong Tseng)、 、,2011-, (已刊登)

Journal of Computational Methods in Sciences and Engineering 11卷1期:1頁~13頁

Building a Computer-Assisted Process Planning System Using the Hierarchical Case-Based Reasoning Approach

24.曾憲雄(Shian-Shyong Tseng),2011-02, (已刊登)

INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH 10卷22期:1頁~21頁

A GA-based method to reduce material handling: the case of TFT-LCD array Fabs in Tai-wan

25.曾憲雄(Shian-Shyong Tseng),2011-, (已刊登)

Expert Systems with Applications 38卷6期:7051頁~7058頁

An Incremental Mining Algorithm for Maintaining Sequential Patterns Using Pre-large Sequences

26.曾憲雄(Shian-Shyong Tseng),2010-, (已刊登)

ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE 24卷2期:295頁~305頁

Ant Colony Optimization for Dynamic Routing and Wavelength Assignment in WDM Networks with Sparse Wavelength Conversion

27.曾憲雄(Shian-Shyong Tseng),2010-, (已刊登)

IEEE Transactions on Learning Technologies 3卷4期:319頁~328頁

Teaching Boolean Logic through Game Rule Tuning

28.時文中(Wen-Chung Shih)、曾憲雄(Shian-Shyong Tseng),2011-04, (已刊登)

Proceedings - 2011 International Conference on Information Science and Applications, ICISA 2011 1卷1期:1頁~9頁

Due Time Setting for Peer-to-Peer Retrieval of Teaching Material in Cloud

29.曾憲雄(Shian-Shyong Tseng)、林順傑(Shun-Chieh Lin)、楊朝棟(Yang, Chao-Tung),2011-04, (已刊登)

Proceedings - 2011 International Conference on Information Science and Applications, ICISA 2011 1卷1期:1頁~9頁

Performance study of parallel programming on cloud computing environments using MapReduce

30.曾憲雄(Shian-Shyong Tseng)、林順傑(Shun-Chieh Lin)、楊朝棟(Yang, Chao-Tung),2011-04, (已刊登)

Proceedings - 2011 International Conference on Information Science and Applications, ICISA 2011 1卷1期:1頁~9頁

Performance study of parallel programming on cloud computing environments using MapReduce

31.曾憲雄(Shian-Shyong Tseng)、林順傑(Shun-Chieh Lin)、楊朝棟(Yang, Chao-Tung),2011-04, (已刊登)

Proceedings - 2011 International Conference on Information Science and Applications, ICISA 2011 1卷1期:1頁~9頁

Performance study of parallel programming on cloud computing environments using MapReduce

32.曾憲雄(Shian-Shyong Tseng)、林順傑(Shun-Chieh Lin)、楊朝棟(Yang, Chao-Tung),2011-04, (已刊登)

Proceedings - 2011 International Conference on Information Science and Applications, ICISA 2011 1卷1期:1頁~9頁

Performance study of parallel programming on cloud computing environments using MapReduce

33.曾憲雄(Shian-Shyong Tseng)、林順傑(Shun-Chieh Lin)、楊朝棟(Yang, Chao-Tung),2011-04, (已刊登)

Proceedings - 2011 International Conference on Information Science and Applications, ICISA 2011 1卷1期:1頁~9頁

Performance study of parallel programming on cloud computing environments using MapReduce

34.曾憲雄(Shian-Shyong Tseng)、林順傑(Shun-Chieh Lin)、楊朝棟(Yang, Chao-Tung),2011-04, (已刊登)

Proceedings - 2011 International Conference on Information Science and Applications, ICISA 2011 1卷1期:1頁~9頁

Performance study of parallel programming on cloud computing environments using MapReduce

35.曾憲雄(Shian-Shyong Tseng)、林順傑(Shun-Chieh Lin)、楊朝棟(Yang, Chao-Tung),2011-04, (已刊登)

Proceedings - 2011 International Conference on Information Science and Applications, ICISA 2011 1卷1期:1頁~9頁

Performance study of parallel programming on cloud computing environments using MapReduce

36.曾憲雄(Shian-Shyong Tseng)、林順傑(Shun-Chieh Lin)、楊朝棟(Yang, Chao-Tung),2011-04, (已刊登)

Proceedings - 2011 International Conference on Information Science and Applications, ICISA 2011 1卷1期:1頁~9頁

Performance study of parallel programming on cloud computing environments using MapReduce

## Computing Environments

**29.**時文中(Wen-Chung Shih)、曾憲雄(Shian-Shyong Tseng),2011-06,  
(已刊登)

Proceedings of 2011 IEEE International Conference on Fuzzy Systems

1卷1期:965頁~970頁

Fuzzy folksonomy-based index creation for e-Learning content retrieval on cloud computing environments

**30.**曾憲雄(Shian-Shyong Tseng),2011-04, (已刊登)

TURKISH ONLINE JOURNAL OF EDUCATIONAL TECHNOLOGY

10卷2期:151頁~173頁

OPASS: an Online Portfolio Assessment and Diagnosis Scheme to Support Web based Scientific Inquiry Experiments

**31.**曾憲雄(Shian-Shyong Tseng)\*,2010-06, (已刊登)

IEEE Conference on Industrial Electronics and Applications 卷期:420頁~426頁

Using a Progressive Model for Performance Diagnosis of Distributed System

**32.**曾憲雄(Shian-Shyong Tseng),2011-05, (已刊登)

IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS

12卷1期:1頁~10頁

Discovering Spatiotemporal Traffic Bottlenecks in Urban Network by Spatiotemporal Data Mining on Location-based Services

**33.**曾憲雄(Shian-Shyong Tseng),2011-, (已刊登)

Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) 6872卷期:497頁~501頁

A Pilot Study of Interactive Storytelling for Bullying Prevention Education

**34.**曾憲雄(Shian-Shyong Tseng),2009-10, (已刊登)

EXPERT SYSTEMS WITH APPLICATIONS 36卷8期:11145頁~11146頁

A Decision Support System for Constructing an Alert Classification Model," Expert Systems With Applications

**35.**時文中(Wen-Chung Shih)、曾憲雄(Shian-Shyong Tseng),2011-10,  
(已刊登)

EDUCATIONAL TECHNOLOGY & SOCIETY 14卷4期:207頁~221頁

Time-Quality Tradeoff of Waiting Strategies for Tutors to Retrieve Relevant Teaching Methods

**36.**時文中(Wen-Chung Shih)、曾憲雄(Shian-Shyong Tseng),2012-01,  
(已刊登)

EDUCATIONAL TECHNOLOGY & SOCIETY 15卷1期:90頁~101頁

A Folksonomy-based Guidance Mechanism for Context-aware Ubiquitous Learning: a Case Study of Chinese Scenic Poetry Appreciation Activities

**37.**曾憲雄(Shian-Shyong Tseng),2012-, (已刊登)

MATHEMATICAL PROBLEMS IN ENGINEERING 卷期:頁~頁

An Adaptive Test Sheet Generation Mechanism using Genetic Algorithm