

著 作 統 計

年度	國際期刊	國際會議	專書專章	國內會議	專題演講	合計	被引用次數
2018							4
2017	2	2				4	33
2016	1	1				2	54
2015	2	1				3	39
2014	7	4		3	1	15	47
2013	2	1		1	3	7	32
2012	2	2		2	1	7	33
2011	4	4		1	2	11	40
2010	4	4			1	9	51
2009	3	3	3		3	12	39
2008	1	3	2	2	2	10	49
2007	2	3	1		2	8	18
2006	6	8	1	3		18	22
2005	2	4	1	2		9	11
2004	1	5	1			7	2
2003					1	1	
2002			1			1	
2001				1		1	
2000			1			1	
小計	39	45	11	15	16	125	477

著 作 目 錄

SCI/SSCI/EI 等 級 期 刊 論 文

長庚大學資訊工程學系正教授時期 (2015.08.01 開始)

1. Fu Y.H., **Huang C.Y.***, and Sun C.T. (2017) A Community Detection Algorithm Using Network Topologies and Rule-Based Hierarchical Arc-Merging Strategies. *PLoS One*, 12(11), e0187603. (SCI, IF: 2.806, Rank: 15/64 [24%] in Multidisciplinary Sciences)
2. Lan Y.C., Wen T.H., Chang C.C., Liu H.F., Lee P.F., **Huang C.Y.**, Chomel B.B., and Chen Y.M.A. (2017) Indigenous Wildlife Rabies in Taiwan: Ferret Badgers, A Long Term Terrestrial Reservoir. *BioMed Research International*, vol. 2017, Article ID 5491640, 6 pages. (SCI, IF: 2.476 Rank: 67/160 [42%] in Biotechnology & Applied Microbiology)
3. Fu Y.H., **Huang C.Y.***, and Sun C.T. (2016) Using a Two-Phase Evolutionary Framework to Select Multiple Network Spreaders Based on Community Structure. *Physica A: Statistical Mechanics and Its Applications*, 461, 840-853. (SCI, IF: 2.243, Rank: 18/79 [23%] in Physics, Multidisciplinary, EI)
4. Fu Y.H., **Huang C.Y.***, and Sun C.T. (2015) Using Global Diversity and Local Topology Features to Identify Influential Network Spreaders. *Physica A: Statistical Mechanics and Its Applications*, 433, 344-355. (SCI, IF: 2.243, Rank: 18/79 [23%] in Physics, Multidisciplinary, EI)

長庚大學資訊工程學系副教授時期

5. **Huang C.Y.** (2015) An Agent-based Epidemic Simulation of Social Behaviors Affecting HIV Transmission among Taiwanese Homosexuals. *Computational and Mathematical Methods in Medicine*, vol. 2015, Article ID 867264, 10 pages. (SCI, IF: 0.887, Rank: 42/56 [75%] in Mathematical and Computational Biology)
6. Lee C.L., **Huang C.Y.***, Hsiao T.C., Wu C.Y., Chen Y.C, and Wang I.C. (2014) Impact of Vehicular Networks on Emergency Medical Services in Urban Areas. *International Journal of Environmental Research and Public Health*, 11(11), 11348-11370. (SCI, IF: 2.035, Rank: 101/225 [45%] in Environmental Sciences)
7. Fu Y.H., **Huang C.Y.***, and Sun C.T. (2014) Identifying Super-Spreader Nodes in Complex

- Networks. *Mathematical Problems in Engineering*, vol. 2014, Article ID 675713, 8 pages. (SCI, IF: 0.644, Rank 59/85 [70%] in Engineering, Multidisciplinary)
8. **Huang C.Y.** and Wen T.H. (2014) Optimal Installation Locations for Automated External Defibrillators in Taipei 7-Elevens: Using GIS and a Genetic Algorithm with a New Stirring Operator. *Computational and Mathematical Methods in Medicine*, vol. 2014, Article ID 241435, 12 pages. doi:10.1155/2014/241435. (SCI, IF: 0.887, Rank: 42/56 [75%] in Mathematical and Computational Biology)
 9. **Huang C.Y.** and Lee C.L. (2014) Influences of Agents with a Self-Reputation Awareness Component in an Evolutionary Spatial IPD Game. *PLoS One*, 9(6), e99841. (SCI, IF: 3.057, Rank: 11/62 [18%] in Multidisciplinary Sciences)
 10. **Huang C.Y.** and Wen T.H. (2014) A Novel Private Attitude and Public Opinion Dynamics Model for Simulating Pluralistic Ignorance and Minority Influence. *Journal of Artificial Societies and Social Simulation*, 17(3), 8. (SSCI, IF: 1.101, Rank: 28/93 [31%] in Social Sciences, Interdisciplinary)
 11. Wang S.W., **Huang C.Y.***, and Sun C.T. (2014) Modeling Self-perception Agents in an Opinion Dynamics Propagation Society. *Simulation: Transactions of the Society for Modeling and Simulation International*, 90(3), 238-248. (SCI, IF: 0.640, Rank: 77/106 [73%] in Computer Science, Software Engineering, EI)
 12. Wang S.W., **Huang C.Y.***, and Sun C.T. (2014) A Proposal for Smart Agents with Adjusting Self-Reputation Capability for Preventing Fraud in Multi-Agent Societies. *Journal of Information Science and Engineering*, 30(2), 313-332. (SCI, IF: 0.392, Rank: 133/143 [93%] in Computer Science, Information Systems)
 13. **Huang C.Y.***, Wen T.H., and Tsai Y.S. (2013) FLUed: A Novel Four-Layer Model for Simulating Epidemic Dynamics and Assessing Intervention Policies. *Journal of Applied Mathematics*, vol. 2013, Article ID 325816, 20 pages. doi:10.1155/2013/325816. (SCI, IF: 0.834, Rank: 104/247 [43%] in Mathematics, Applied)
 14. **Huang C.Y.***, Lee C.L., Wen T.H., and Sun C.T. (2013) A Computer Virus Spreading Model Based on Resource Limitations and Interaction Costs. *The Journal of Systems and Software*, 86(3), 801-808. (SCI, IF: 1.424, Rank: 31/105 [30%] in Computer Science, Theory and Methods)
 15. **Huang C.Y.*** and Sun C.T. (2012) Effects of Resource Limitations and Cost Influences on Computer Virus Epidemic Dynamics and Tipping Points. *Discrete Dynamics in Nature and Society*, vol. 2012, Article ID 473136, 15 pages. doi:10.1155/2012/473136. (SCI, IF: 0.646, Rank: 35/62 [57%] in Multidisciplinary Sciences)
 16. Tsai Y.S., Ko P.C.I., **Huang C.Y.**, and Wen T.H. (2012) Optimizing Locations for the Installation of Automated External Defibrillators (AEDs) in Urban Public Streets Through the Use of Spatial and Temporal Weighting Schemes. *Applied Geography*, 35(1-2), 394-404. (SSCI, IF: 2.565, Rank: 10/77 [13%] in Geography)
 17. **Huang C.Y.***, Tzou P.J., and Sun C.T. (2011) Collective Opinion and Attitude Dynamics Dependency on Informational and Normative Social Influences. *Simulation: Transactions of the Society for Modeling and Simulation International*, 87(10), 875-892. (SCI, IF: 0.640, Rank: 77/106 [73%] in Computer Science, Software Engineering, EI)
 18. **Huang C.Y.***, Wang S.W., and Sun C.T. (2011) Using Self-Aware Agents to Analyze Public Self-Consciousness in the Iterated Prisoner's Dilemma. *Simulation: Transactions of the Society for Modeling and Simulation International*, 87(7), 600-615. (SCI, IF: 0.640, Rank: 77/106 [73%] in Computer Science, Software Engineering, EI)
 19. Tsai Y.S., **Huang C.Y.**, Wen T.H., Sun C.T., and Yen M.Y. (2011) Integrating Epidemic Dynamics with Daily Commuting Networks: Building a Multilayer Framework to Assess Influenza A (H1N1) Intervention Policies. *Simulation: Transactions of the Society for Modeling and Simulation International*, 87(5), 385-405. (SCI, IF: 0.640, Rank: 77/106 [73%] in Computer Science, Software Engineering, EI)
- 長庚大學資訊工程學系助理教授兼資訊中心教學服務組組長時期：**
20. Tsai Y.S., **Huang C.Y.***, and Sun C.T. (2011) Response to Wilson's Note on "Influences of Resource Limitations and Transmission Costs on Epidemic Simulations and Critical Thresholds in Scale-Free Networks". *Simulation: Transactions of the Society for Modeling and Simulation International*,

- 87(3), 267-270. (SCI, IF: 0.640, Rank: 77/106 [73%] in Computer Science, Software Engineering, EI)
21. **Huang C.Y.**, Tsai Y.S., and Wen T.H. (2010) Simulations for Epidemiology and Public Health Education. *Journal of Simulation*. 4(1), 68-80. (SCI, IF: 1.164, Rank: 45/82 [55%] in Operations Research and Management Science, EI)
 22. **Huang C.Y.**, Tsai Y.S., and Wen T.H. (2010) A Network-Based Simulation Architecture for Studying Epidemic Dynamics. *Simulation: Transactions of the Society for Modeling and Simulation International*. 86(5/6), 351-368. (SCI, IF: 0.640, Rank: 77/106 [73%] in Computer Science, Software Engineering, EI)
 23. Tsai Y.S. and **Huang C.Y.*** (2010) Effects of Resources and Costs on Diffusion Dynamics. *International Journal of Intelligent Information and Database Systems*, 4(1), 19-42. (EI)
 24. **Huang C.Y.** and Tsai Y.S. (2010) Effects of Friend-Making Resources/ Costs and Remembering on Acquaintance Networks. *Physica A: Statistical Mechanics and Its Applications*, 389(3), 604-622. (SCI, IF: 1.772, Rank: 23/79 [30%] in Physics, Multidisciplinary, EI)
 25. **Huang C.Y.**, Tsai Y.S., Sun C.T., Hsieh J.L., and Cheng C.Y. (2009) Influences of Resource Limitations and Transmission Costs on Epidemic Simulation and Critical Thresholds in Scale-Free Networks. *Simulation: Transactions of the Society for Modeling and Simulation International*, 85(3), 205-219. (SCI, IF: 0.640, Rank: 77/106 [73%] in Computer Science, Software Engineering, EI)
 26. Hsieh J.L., **Huang C.Y.***, Sun C.T., Tsai Y.S., and Kao G.Y.M. (2009) Learning to Build Network-Oriented Epidemic Simulation Models in Epidemiology Education. *International Journal of Simulation and Process Modelling*, 5(1), 31-41. (EI)
 27. **Huang C.Y.** (2009) Teaching Epidemic Simulation and Policy-Making to Novice Researchers. *International Journal of Instructional Media*, 36(1), 107-117.
 28. Cheng C.Y., **Huang C.Y.***, and Sun C.T. (2008) Mining Bridge and Brick Motifs from Complex Biological Networks for Functionally and Statistically Significant Discovery. *IEEE Transactions on Systems, Man, and Cybernetics—Part B: Cybernetics*, 38(1), 17-24. (SCI, IF: 2.361, Rank: 2/17 [12%] in Computer Science, Cybernetics, EI)
 29. **Huang C.Y.**, Cheng C.Y., and Sun C.T. (2007) Bridge and Brick Network Motifs: Identifying Significant Building Blocks from Complex Biological Systems. *Artificial Intelligence in Medicine*, 41(2), 117-127. (SCI, IF: 1.960, Rank: 28/94 [30%] in Computer Science, Artificial Intelligence, EI)
 30. **Huang C.Y.**, Sun C.T., Cheng C.Y., and Hsieh J.L. (2007) Bridge and Brick Motifs in Complex Networks. *Physica A: Statistical Mechanics and Its Applications*, 377(1), 340-350. (SCI, IF: 1.772, Rank: 23/79 [30%] in Physics, Multidisciplinary, EI)
 31. Hsieh J.L., Sun C.T., Kao Y.M.G., and **Huang C.Y.*** (2006) Teaching through Simulation: Epidemic Dynamics and Public Health Policies. *Simulation: Transactions of the Society for Modeling and Simulation International*, 82(11), 731-759. (SCI, IF: 0.640, Rank: 77/106 [73%] in Computer Science, Software Engineering, EI)
 32. Chen D.J., Tsai M.J., and **Huang C.Y.*** (2006) UI Design Patterns Generator for Pervasive Device. *WSEAS Transactions on Computers*, 5(9), 2114-2121. (EI)
 33. Chen D.J., Tsai M.J., and **Huang C.Y.*** (2006) Visual Based Software Construction: Visual Requirement Authoring Tool and Visual Program Generator. *WSEAS Transactions on Systems*, 5(8), 1881-1888. (EI)

元培科技大學資訊工程學系講師及助理教授兼系主任時期：

34. **Huang C.Y.**, Sun C.T., and Chu Y.W. (2006) A Co-adaptive Approach to XCS Classifier Systems. *WSEAS Transactions on Systems*, 5(2), 388-394. (EI).
35. Chu Y.W., Sun C.T., and **Huang C.Y.*** (2006) Regularity of Protein Secondary Structures and Its Prediction. *WSEAS Transactions on Systems*, 5(2), 380-385. (EI).

交通大學資訊工程學系博士生暨中國科技大學資訊工程學系講師時期：

36. **Huang C.Y.**, Hsieh J.L., Sun C.T., and Cheng C.Y. (2006) Teaching Epidemic and Public Health Policies through Simulation. *WSEAS Transactions on Information Science and Applications*, 3(5), 899-904. (EI)
37. **Huang C.Y.**, Sun C.T., Hsieh J.L., Chen Y.M.A., and Lin H. (2005) A Novel Small-World Model: Using Social Mirror Identities for Epidemic Simulations. *Simulation: Transactions of The Society for*

- Modeling and Simulation International*, 81(10), 671-699. (SCI, IF: 0.640, Rank: 77/106 [73%] in Computer Science, Software Engineering, EI)
38. **Huang C.Y.**, Sun C.T., and Lin H.C. (2005) Influence of Local Information on Social Simulation in Small-World Network Models. *Journal of Artificial Societies and Social Simulation*, 8(4). (SSCI, IF: 1.101, Rank: 28/93 [31%] in Social Sciences, Interdisciplinary)
39. **Huang C.Y.**, Sun C.T., Hsieh J.L., and Lin H. (2004) Simulating SARS: Small-World Epidemiological Modeling and Public Health Policy Assessments. *Journal of Artificial Societies and Social Simulation*, 7(4). (SSCI, IF: 1.101, Rank: 28/93 [31%] in Social Sciences, Interdisciplinary)

國 際 會 議 論 文

1. **Huang C.Y.** (2017) Influences of Self-Reputation Awareness Agents in an Evolutionary Spatial IPD Game. In *Proceedings of the Tokyo 15th International Conference on Engineering & Technology, Computer, Basic & Applied Science (ECBA'17)*, Tokyo, Japan.
2. Lee C.L., **Huang C.Y.**, and Chen T.Y. (2017) Fast Conflict Detection for Two-Dimensional Packet Filters. In *Proceedings of the 5th International Conference on Industrial Application Engineering (ICIAE'16)*, Kitakyushu, Japan.
3. Fu Y.H., **Huang C.Y.***, and Sun C.T. (2016) Using Network Topology and Rule-Based Strategy to Identify Community Structure in Social Networks. In *Proceedings of the 4th International Conference on Industrial Application Engineering (ICIAE'16)*, Beppu, Japan.
4. **Huang C.Y.** and Lee C.L. (2015) Self-Reputation Awareness Agents in Spatial IPD Game. In *Proceedings of the 3rd International Conference on Industrial Application Engineering (ICIAE'15)*, Kitakyushu, Japan.
5. **Huang C.Y.**, Fu Y.H., and Sun C.T. (2014) Identify influential social network spreaders. In *Proceedings of IEEE International Conference on Data Mining (ICDM'14)*, Shenzhen, China.
6. Lee C.L., **Huang C.Y.**, Hsiao T.C., Wu C.Y., Chen Y.C., and Wang I.C. (2014) Impact of Vehicular Ad Hoc Networks on Emergency Medical Services in Urban Areas. In *Proceedings of 2014 Asia Global Land Project Conference (GLP'14)*, Taipei, Taiwan.
7. Fu Y.H., **Huang C.Y.**, and Sun C.T. (2014) Using Global Diversity and Local Features to Identify Influential Social Network Spreaders. In *Proceedings of International Workshop on Curbing Collusive Cyber-gossips in Social Networks (C³'04) joint with IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM'14)*, Beijing, China.
8. Wen T.H. and **Huang C.Y.** (2014) Simulating Epidemic Dynamics and Assessing Intervention Policies. In *Proceedings of International Conference on e-Commerce, e-Administration, e-Society, e-Education, and e-Technology (e-CASE & e-Tech'14)*, Nagoya, Japan.
9. Wen T.H., Tsai Y.S., Ko P.C.I., and **Huang C.Y.** (2013) Using a Modified Genetic Algorithm in Identify Locations for Automated External Defibrillators. In *Proceedings of International Conference on e-Commerce, e-Administration, e-Society, e-Education, and e-Technology (e-CASE & e-Tech'13)*, Kitakyushu, Japan. (**Best Paper Award**)
10. **Huang C.Y.** (2012) Self-Aware Intelligent Agents in the Prisoner's Dilemma. In *Proceedings of Shanghai International Conference on Social Sciences (SICSS'12)*, Shanghai, China. (**Session Chair**)
11. Wen T.H, Tsai Y.S., and **Huang C.Y.** (2012) Integration of Spatial and Temporal Variations of OHCA Patients and Emergency Service Facilities for Evaluating Potential Locations of Automated External Defibrillators (AED) in High Populated Urban Settings. In *Proceedings of Global Change, Adaptation and Risk Management (GeoInformatics'12)*, Hong Kong.
12. **Huang C.Y.**, Tsai Y.S., and Wen T.H. (2011) Learning through Network-Based Simulations for Epidemiology Education. In *Proceedings of Shanghai International Conference on Social Sciences (SICSS'11)*, Shanghai, China.
13. **Huang C.Y.**, Tsai Y.S., and Wen T.H. (2011) A Multilayer Framework to Assess Influenza Intervention Policies. In *Proceedings of International Conference on Future Computer Sciences and Application (ICFCSA'11)*, Hong Kong, 132-136.
14. **Huang C.Y.**, Wang S.W., and Sun C.T. (2011) Self-Aware Intelligent Agents in the Prisoner's Dilemma. In *Proceedings of International Conference on Future Computer Sciences and Application (ICFCSA'11)*, Hong Kong, 127-131.

15. **Huang C.Y.**, Wang S.W., and Sun C.T. (2011) Modeling Agent Self-Awareness, Individual Performance and Collaborative Behavior. In *Proceedings of IEEE 9th World Congress on Intelligent Control and Automation (WCICA'11)*, Taipei, Taiwan, 759-763.
16. **Huang C.Y.** (2010) Influence of Self-Aware Agents with Public Self-Consciousness in the Iterated Prisoner's Dilemma. In *Proceedings of 9th WSEAS International Conference on System Science and Simulation in Engineering (ICOSSSE'10)*, Iwate, Japan, 133-138.
17. Tsai Y.S., **Huang C.Y.**, Wen T.H., and Sun C.T. (2010) A Multilayer Epidemiological Model Integrating Daily Commuting Network. In *Proceedings of 9th WSEAS International Conference on System Science and Simulation in Engineering (ICOSSSE'10)*, Iwate, Japan, 77-83.
18. **Huang C.Y.** and Wen T.H. (2010) A Multilayer Epidemic Simulation Framework Integrating Geographic Information System with Traveling Networks. In *Proceedings of IEEE 8th World Congress on Intelligent Control and Automation (WCICA'10)*, Jinan, China, 2002-2007.
19. **Huang C.Y.**, Tsai Y.S., Wen T.H., and Sun C.T. (2010) A Multilayer Epidemic Simulation Framework Integrating Geographic Information System with Traveling Networks. In *Proceedings of 29th IASTED International Conference on Modelling, Identification and Control (MIC'10)*, Innsbruck, Austria, 357-363.
20. Wen T.Z., Tsai Y.S., **Huang C.Y.**, and Yen M.Y. (2009) Multi-Layer Epidemic Dynamics Simulation (MEDSIM) for Spatial Transmission of Acute Respiratory Diseases. In *Proceedings of 2009 Biosurveillance and Biosecurity Workshop International Perspectives*, Taipei, Taiwan, R.O.C.
21. Wang S.W., Sun C.T., and **Huang C.Y.** (2009) A Study of Agents with Self-awareness for Collaborative Behavior. In *Proceedings of 14th Portuguese Conference on Artificial Intelligence (EPIA'09)*, Aveiro, Portugal, 425-435.
22. **Huang C.Y.**, Tsai Y.S., and Sun C.T. (2009) Effects of Resource and Remembering on Social Networks. In *Proceedings of 8th International Conference on Autonomous Agents and Multiagent Systems (AAMAS'09)*, Budapest, Hungary, 837-842.
23. Tsai Y.S., Sun C.T., and **Huang C.Y.** (2008) Epidemic Dynamics and Thresholds in Agent-Based Simulations under Realistic Resources and Cost Conditions. In *Proceedings of IEEE/WIC/ACM International Conference on Intelligent Agent Technology (WI-IAT'08)*, Sydney, Australia, 65-70.
24. **Huang C.Y.**, Sun C.T., Cheng C.Y., and Tsai Y.S. (2008) Resource, Costs and Epidemic Critical Thresholds in Scale-Free Social Networks. In *Proceedings of IEEE 7th World Congress on Intelligent Control and Automation (WCICA'08)*, Chongqing, China, 1874-1879.
25. **Huang C.Y.**, Sun C.T., Cheng C.Y., and Tsai Y.S. (2008) Resource Limitations, Transmission Costs and Critical Thresholds in Scale-Free Networks. In *Proceedings of 7th International Conference on Autonomous Agents and Multiagent Systems (AAMAS'08)*, Estoril, Portugal, 1121-1128.
26. **Huang C.Y.**, Hsieh J.L., Sun C.T., and Shih F.M. (2007) Mining Domain Ontological Information from Online Publications. In *Proceedings of 6th WSEAS International Conference on E-Activities (E-ACTIVITIES'07)*, Puerto De La Cruz, Tenerife, Canary Islands, Spain, 153-158.
27. Cheng C.Y., **Huang C.Y.**, and Sun C.T. (2007) Combining Motifs and Small-World Properties to Explore Complex Networks in Local and Global Views, In *Proceedings of 2007 World Congress in Computer Science, Computer Engineering, and Applied Computing (WORLDCOMP'07)*, Las Vegas, Nevada, USA, 842-845.
28. **Huang C.Y.**, Cheng C.Y., and Sun C.T. (2007) Mining Bridge and Brick Network Motifs, In *Proceedings of International Conference on Machine Learning and Data Mining (MLDM'07) Poster*, Leipzig, Germany, 134-143.
29. Sun C.T., Hsieh J.L., and **Huang C.Y.** (2006) Using Evolving Agents to Critique Subjective Music Compositions. In *Proceedings of IEEE International Conference on Computational Intelligence and Security (CIS'06)*, Guangzhou, China, 474-480.
30. Chen D.J., Tsai M.J., and **Huang C.Y.** (2006) Generating UI for Pervasive Devices Using Pattern-Based Approach. In *Proceedings of 10th International Conference on Computers (CSCC'06)*, Athens, Greece, 837-843.
31. Chen D.J., Tsai M.J., and **Huang C.Y.** (2006) Visual-Based Software Construction Methodology. In *Proceedings of 10th International conference on Computers (CSCC'06)*, Athens, Greece, 831-836.
32. Hsieh J.L., Sun C.T., and **Huang C.Y.** (2006) Implementing CASMIM for Epidemic Simulations. In *Proceedings of First World Congress on Social Simulation (WCSS'06)*, Kyoto, Japan, 297-304.

33. **Huang C.Y.**, Sun C.T., Shih F.M., and Hsieh J.L. (2006) Mining Domain Ontological Information from Online Publications. In *Proceedings of IADIS International Conference e-Society 2006*, Dublin, Ireland, 433-440.
34. Hsieh J.L., Sun C.T., and **Huang C.Y.** (2006) Using Evolving Agents to Critique Subjective Data: Recommending Music. In *Proceedings of IEEE Congress on Evolutionary Computation (CEC'06)*, Vancouver, BC, Canada, 406-413.
35. **Huang C.Y.**, Hsieh J.L., Sun C.T., and Cheng C.Y. (2006) Teaching Epidemic Simulation and Policy-Making to Novice Researchers. In *Proceedings of International Conference on Automatic Control, Modeling and Simulation (ACMOS'06)*, Prague, Czech Republic, 393-398.
36. Cheng C.Y., **Huang C.Y.**, Sun C.T., and Hsieh J.L. (2006) Bridge and Brick Network Motifs. In *Proceedings of IEEE 6th World Congress on Intelligent Control and Automation (WCICA'06)*, Dalian, China, 1222-1226.
37. **Huang C.Y.**, Sun C.T., and Chu Y.W. (2005) Using a Coevolution Mechanism with a Dyna Architecture for Parameter Adaptation in XCS Classifier Systems. In *Proceedings of International Conference on Computational Intelligence, Man-Machine Systems and Cybernetics (CIMMACS'05)*, Miami, Florida, USA, 173-178.
38. Chu Y.W., Sun C.T., and **Huang C.Y.** (2005) Finding Regularity in Protein Secondary Structures using a Cluster-based Genetic Algorithm. In *Proceedings of International Conference on Computational Intelligence, Man-Machine Systems and Cybernetics (CIMMACS'05)*, Miami, Florida, USA, 179-183.
39. Sumodhee C., Hsieh J.L., Sun C.T., and **Huang C.Y.**, and Chen Y.M.A. (2005) Impact of Social Behaviors on HIV Epidemic: A Computer Simulation View. In *Proceedings of IEEE Computational Intelligence for Modelling Control and Automation (CIMCA'05)*, Vienna, Austria, 550-556.
40. Hsieh J.L., **Huang C.Y.**, Sun C.T., and Chen Y.M.A. (2005) Using the CAMIM Small-World Epidemic Model to Analyze Public Health Policies. In *Proceedings of Western Multiconference on Health Sciences Simulation*, New Orleans, LA, USA, 63-69.
41. **Huang C.Y.** and Sun C.T. (2004) Self-Adaptive Routing Based on Learning Classifier Systems. In *Proceedings of IEEE Congress on Evolutionary Computation (CEC'04)*, Portland, Oregon, USA, 678-682.
42. Lin H.C., **Huang C.Y.**, and Sun C.T. (2004) Influence of Local Information on Social Simulations under the Small-World Model. In *Proceedings of IEEE Cyber Worlds*, Tokyo, Japan, 356-360.
43. **Huang C.Y.** and Sun C.T. (2004) Co-Adaptive Learning Classifier Systems Based on Coevolution within Dyna Architecture. In *Proceedings of IEEE 5th World Congress on Intelligent Control and Automation (WCICA'04)*, Hangzhou, China, 2179-2183.
44. **Huang C.Y.**, Sun C.T., Yu C.H., and Chen C.F. (2004) Self-Adaptive Routing Method Based on Learning Classifier Systems. In *Proceedings of IEEE 5th World Congress on Intelligent Control and Automation (WCICA'04)*, Hangzhou, China, 417-421.
45. Yu C.H., Wu C.M., and **Huang C.Y.** (2004) A Study of Using Automatic Text Indexing to Analyze Web Browsing Behavior. In *Proceedings of IEEE World Congress on Intelligent Control and Automation (WCICA'04)*, Hangzhou, China, 3991-3995.

46. 專章、學位及其它論文

1. Wen T.H., Tsai Y.S., **Huang C.Y.**, and Yen M.Y. (2009) Multi-Layer Epidemic Dynamics Simulation (MEDSim) for Spatial Transmission of Acute Respiratory Diseases. *Intelligence and Security Informatics: Biosurveillance and Biosecurity*, New York: West Publishing Co. (ISBN: 978-1-60317-007-9)
2. **黃崇源**，孫春在，謝吉隆，林鶴玲 (2009) 第 17 章—模擬非典：基於小世界網絡的傳染病模型和公共衛生政策評估。聖昭瀚，張軍，杜建國 (編輯) *社會科學計算實驗理論與應用*，中國上海：上海三聯出版社 (南京大學工程管理學院研究所課程教科書，2012 年江蘇省第十二屆哲學社會科學優秀成果一等獎，在環境行為與環境管理研究領域獲得國內同行的高度評價)。
3. **Huang C.Y.** (2009) Teaching Epidemic Simulation and Policy-Making to Novice Researchers.

International Journal of Instructional Media, 36(1), 107-117.

4. **Huang C.Y.**, Cheng C.Y., and Sun C.T. (2008) Resource and Remembering Influences on Acquaintance Networks. *Lecture Notes in Artificial Intelligence (LNAI)*, 4953, 281-291.
5. **Huang C.Y.**, Cheng C.Y., and Sun C.T. (2008) Resource Limitations, Transmission Costs and Critical Thresholds in Scale-Free Networks. *Lecture Notes in Artificial Intelligence (LNAI)*, 4953, 485-494.
6. Sun C.T., Hsieh J.L., and **Huang C.Y.*** (2007) Using Evolving agents to Critique Subjective Music Compositions. *Lecture Notes in Artificial Intelligence (LNAI)*, 4456, 336-346.
7. **Huang C.Y.**, Hsieh J.L., and Sun C.T. (2006) Evaluating Subjective Compositions by the Cooperation between Human and Adaptive Agents. *Lecture Notes in Artificial Intelligence (LNAI)*, 4293, 974-984. (SCIE, IF:0.513, Rank: 53/70 [76%] in Computer Science, Theory and Methods, EI)
8. **Huang C.Y.** (2005) *Small-World Epidemiological Modeling and Public Health Policy Assessment: Using the Social Mirror Identity Concept and Local Information for Network-based Epidemic Simulations*: National Chiao Tung University, Hsinchu, Taiwan. (Ph.D. Dissertation)
9. **Huang C.Y.** and Sun C.T. (2004) Parameter Adaptation within Co-adaptive Learning Classifier Systems. *Lecture Notes in Computer Sciences (LNCS)*, 3103, 774-784.
10. **黃崇源**，陳尚寬 (2002) 網際網路與資料庫的對話。青草湖社區大學 E 化工作坊，新竹市，台灣。
11. **Huang C.Y.** (2000) *Classifier System with Long Term Memory and Its Learning through Analogical Recognition*: National Chiao Tung University, Hsinchu, Taiwan. (Master Thesis)

國內研討會論文

1. 賴誠信，**黃崇源** (2014) 以基因演算法及時空間權重模式決定自動體外去顫器之台北市便利商店，2014 年台灣地理資訊學會年會暨學術研討會，高雄，台灣。
2. 許仁賢，**黃崇源** (2014) 基因演算法尋找 SHA1 碰撞的最佳解，2014 年資訊技術應用及管理研討會，義守大學，高雄，台灣。
3. 賴誠信，**黃崇源** (2014) 以基因演算法及時空間權重模式決定自動體外去顫器之台北市便利商店，2014 年資訊技術應用及管理研討會，義守大學，高雄，台灣。
4. **黃崇源**，陳思穎 (2013) 探討在社群網站上使用隱私認知的不一致—以 Facebook Applications 為例，2013 年資訊科技應用國際學術研討會，中國科技大學湖口校區，新竹，台灣。
5. **黃崇源**，黃裕浩 (2012) 主動擴散式對等資源搜尋機制：透過資訊同步增進搜尋效率，第十七屆行動計算研討會，新北市三峽區大板根森林溫泉渡假村，新北市，台灣。
6. **黃崇源**，黃逢傑 (2012) 以基因演算法結合人口統計資訊配置自動體外去顫器—以台北市為例，2012 台灣地理資訊年會暨學術研討會，逢甲大學，台中，台灣。
7. 陳璽文，孫春在，**黃崇源**，溫在弘 (2011) 網路拓樸的遞移性：以傳染病的風險擴散為例，第二十八屆組和數學與計算理論研討會，澎湖科技大學，馬公市，澎湖，台灣。
8. **黃崇源**，黃裕浩 (2008) 主動擴散式對等資源搜尋機制：透過資訊同步增進搜尋效率，TAAI 2008 第十三屆人工智慧與應用研討會，淡江大學蘭陽校區，宜蘭，台灣。
9. 鄭家胤，**黃崇源**，孫春在 (2008) 複雜網路之橋接式與磚式基調。生物資訊研討會，中華大學，新竹，台灣。
10. **黃崇源**，鄭家胤 (2006) 橋接式與磚式網絡基調。2006 中華決策科學學會年會暨學術研討會，新竹市，台灣，101 頁。
11. **黃崇源**，孫春在 (2006) 基於分類元系統之自適應路由路徑選擇機制。2006 中華決策科學學會年會

暨學術研討會，新竹市，台灣，102 頁。

12. 黃崇源，孫春在 (2006) 共適應學習分類元系統。2006 中華決策科學學會年會暨學術研討會，新竹市，台灣，103 頁。
13. 黃崇源，孫春在，謝吉隆，陳宜民，林鶴玲 (2005) 小世界流行病學建模與公衛政策評估。健康與管理學術研討會論文摘要集，新竹市，台灣，87 頁。
14. 孫春在，史馥銘，黃崇源 (2005) 從線上論文中擷取領域本體資訊。海峽兩岸圖書館服務發展與創新高層論壇，北京，中國。
15. 黃崇源 (2001) 是否需要一份關於「電腦與網路」學程規劃指南？。全國社區大學教師研習會手冊，新竹市，台灣。

註：申請人姓名「黃崇源」或 Huang C.Y. 後面加上星號 * 表示本人是該篇期刊論文之通訊責任作者。

活動參與

SCI/SSCI/EI 等級學術期刊論文審稿委員

1. *Abstract and Applied Analysis* × 3 篇 (415043.v1, 340683.v1, & 936398.v1)
2. *Artificial Intelligence in Medicine* × 2 篇 (AIIM-D-08-00003 & P0294)
3. *Cogent Engineering* × 1 篇 (COGENTENG-2015-0029)
4. *Computer Networks* × 1 篇 (COMNET-D-09-3507)
5. *Habitat International* × 1 篇 (HABITATINT_2017_702)
6. *IEEE Access* × 2 篇 (Access-2016-02156 & Access-2016-03155)
7. *IEEE Intelligent Systems* × 1 篇 (IS-2013-03-0037)
8. *IEEE Transactions on Cybernetics* × 2 篇 (CYB-E-2014-01-0072 & CYB-E-2016-02-0211)
9. *Information Sciences* × 2 篇 (INS-D-09-1375 & INS-D-11-395R1)
10. *International Journal of Control, Automation, and Systems* × 1 篇 (06-06-R108)
11. *International Scholarly Research Notices* × 1 篇 (9186240)
12. *Journal of Applied Science and Engineering* × 1 篇 (JASE-2017-0179)
13. *Journal of Artificial Societies and Social Simulations* × 12 篇 (2006:46:1, 2008:64:1, 2009:43:1, 2009:59:1, 2009:86:2, 2010:96:1, 2012:3:1, 2014:129:1, 2015:27:1, 2015:110:1, & 2016:12:1, 2016:121:1)
14. *Journal of Computational Environmental Sciences* × 1 篇 (769064.v1)
15. *Journal of Information Science and Engineering* × 1 篇 (160345)
16. *Journal of Mathematical Sociology* × 1 篇 (GMAS-2009-0043)
17. *Mathematical Problems in Engineering* × 1 篇 (3642874)
18. *Multiagent and Grid Systems* × 1 篇 (403-1)
19. *Physica A* × 4 篇 (PHYSA-13-1264, PHYSA-151312, PHYSA-16482, & PHYSA-151032)
20. *Physics Letters A* × 1 篇 (PLA_2016_220)
21. *Proceedings of the Royal Society A* × 1 篇 (RSPA-2017-0156)
22. *Simulation: Transactions of the Society for Modeling and Simulation International* × 3 篇 (A-12-0179, T-14-0048, & S-16-0325)
23. *Simulation Modelling Practice and Theory* × 1 篇 (SIMPAT-D-16-480)
24. *Social Science Computer Review* × 1 篇 (#3326)

國際學術研討會論文審稿委員

1. **2006** International Conference on Computational Intelligence and Security (CIS'06).
2. **2006** International Conference on Computational Intelligence for Modelling, Control and Automation (CIMCA'06).
3. **2006** International Conference on Intelligent Agents, Web Technologies and Internet Commerce (IAWTIC'06).
4. **2007** European Computing Conference (ECC'07).
5. **2008** 4th International Symposium on Management, Engineering and Informatics (MEI'08).
6. **2008** International Conference on Computational Intelligence and Security (CIS'08).
7. **2008** International Conference on Computational Intelligence for Modelling, Control and

Automation (*CIMCA'08*).

8. **2009** 5th International Symposium on Management, Engineering and Informatics (*MEI'09*).
9. **2009** International Conference on Computational Intelligence and Security (*CIS'09*).
10. **2010** IEEE World Congress on Computational Intelligence (*WCCI'10*).
11. **2010** IEEE Congress on Evolutionary Computation (*CEC'10*).
12. **2011** IEEE Congress on Evolutionary Computation (*CEC'11*).
13. **2011** 7th International Conference on Natural Computation (*ICNC'11*) and 8th International Conference on Fuzzy Systems and Knowledge Discovery (*FSKD'11*).
14. **2011** International Conference on Internet Technology and Applications (*iTAP'11*)
15. **2014** Special Track on Management, Engineering and Informatics: MEI 2014 in the context of 18th Multi-Conference on Systemics, Cybernetics and Informations (*WMSCI'14*).
16. **2014** 10th International Conference on Computational Intelligence and Security (*CIS'14*).
17. **2015** Special Track on Management, Engineering and Information: MEI 2015 in the context of 19th Multi-Conference on Systemics, Cybernetics and Informations (*WMSCI'15*).
18. **2015** 11th International Conference on Computational Intelligence and Security (*CIS'15*).
19. **2015** 11th International Symposium on Management, Engineering and Informatics (*MEI'15*).
20. **2016** 12th International Conference on Computational Intelligence and Security (*CIS'16*).
21. **2016** The 8th International High Speed Intelligent Communication Forum & 2016 International Conference on Communication Problem-Solving (*HSIC & ICCP'16*).
22. **2017** 12th International Conference on Computational Intelligence and Security (*CIS'17*).

國際學術研討會主席或議程委員

1. **2007** 6th International Conference on Applications of Electrical Engineering (*AEE'07*).
2. **2007** 9th International Conference on Automatic Control, Modeling and Simulation (*ACMOS'07*).
3. **2007** 6th International Conference on Microelectronics, Nanoelectronics, Optoelectronics (*MINO'07*).
4. **2007** 11th WSEAS CSCC Multiconference, which consisted of: 11th International Conference on Circuits; 11th International Conference on Systems; 11th International Conference on Communications; 11th International Conference on Computers (*CSCC'07*).
5. **2007** 4th WSEAS/IASME International Conference on Electrosience and Technology for Naval Engineering (*ETNE'07*).
6. **2007** European Computing Conference (*ECC'07*).
7. **2007** Applied Mathematics, Simulation, Modelling (*ASM'07*).
8. **2007** Circuits, Systems and Signals (*CSS'07*).
9. **2008** International Conference on Biomedical Engineering and Informatics (*BMEI'08*).
10. **2008** 7th WSEAS International Conference on E-ACTIVITIES (E-Learning, E-Communities, E-Commerce, E-Management, E-marketing, E-Governance, Tele-Working) (*E-ACTIVITIES'08*).
11. **2008** 5th WSEAS/IASME International Conference on Engineering Education (*EE'08*).
12. **2008** Applied Mathematics, Simulation, Modelling (*ASM'08*).
13. **2008** Communications and Information Technology (*CIT'08*).
14. **2008** Circuits, Systems and Signals (*CSS'07*).
15. **2008** WSEAS/NAUN International Conference on Advanced Design and Manufacture.
16. **2008** WSEAS/NAUN International Conference on Applied Mathematics and Computing.
17. **2008** International Conference on Intelligent Agents, Web Technologies and Internet Commerce (*IAWTIC'08*).
18. **2008** 12th WSEAS CSCC Multiconference, which consisted of: 12th International Conference on Circuits; 12th International Conference on Systems; 12th International Conference on Communications; 12th International Conference on Computers (*CSCC'08*).
19. **2009** Special Session on Linkage in Evolutionary Computation at IEEE Congress on Evolutionary Computation (*CEC'09*).
20. **2009** First International Conference on Complex Sciences: Theory and Application (*COMPLEX'09*).
21. **2009** 13th WSEAS CSCC Multiconference, which consisted of: 13th International Conference on

- Circuits; 13th International Conference on Systems; 13th International Conference on Communications; 13th International Conference on Computers (CSCC'09).
22. **2010** IEEE World Congress on Computational Intelligence (WCCI'10).
 23. **2011** IEEE Congress on Evolutionary Computation (CEC'11).
 24. **2011** European Conference of Computer Science (ECCS'11).
 25. **2011** European Conference of Control (ECC'11).
 26. **2012** Mobile Computing Workshop (MC'12).
 27. **2012** 1st International Conference on Computing, Information Systems and Communications (CISCO'12).
 28. **2012** 1st International Conference on Digital services, Internet and Applications (DSIA'12).
 29. **2012** 1st International Conference on Sustainable Development, Sustainable Chemical Industry, Pollution, Hazards and Environment (SD-SCI-PHE'12).
 30. **2012** International Conference on Health Science and Biomedical Systems (HSBS'12).
 31. **2012** International Workshop on Cloud Computing for Bioinformatics and Its Applications (CBA'12).
 32. **2012** 6th International Conference on Energy and Development Environment — Biomedicine (EDEB'12).
 33. **2012** 3rd International Conference on Geography and Geology (GEO'12).
 34. **2012** 6th International Conference on Communications and Information Technology (CIT'12).
 35. **2012** 10th International Conference on Applied Electromagnetics, Wireless and Optical Communications (ELECTROSCIENCE'12).
 36. **2012** 3rd World Conference on Education and Educational Technologies (WORLD-EDU'12).
 37. **2012** 1st International Conference on Networks and Systems for Communications, Education and Data processing.
 38. **2012** Shanghai International Conference on Social Science (SICSS'12).
 39. **2013** International Workshop on Cloud Computing for Bioinformatics and Its Applications (CBA'13).
 40. **2013** 9th International Conference on Computational Intelligence and Security (CIS'13).
 41. **2014** Mobile Computing Workshop (MC'14).
 42. **2014** 10th International Conference on Computational Intelligence and Security (CIS'14).
 43. **2014** Geo-computational Models in Measuring Vulnerability for Human Health and the Environment (Session ID: s0121) of Asia Global Land Project Conference (GLP'04).
 44. **2016** 10th International Conference on Computational Intelligence and Security (CIS'16).
 45. **2016** The 8th International High Speed Intelligent Communication Forum & 2016 International Conference on Communication Problem-Solving (HSIC & ICCP'16).
 46. **2017** Mobile Computing Workshop (MC'17).
 47. **2017** 10th International Conference on Computational Intelligence and Security (CIS'17).
 48. **2018** 20th International Conference on Complex Networks and Applications (ICCNA'18).
 49. **2018** 20th International Conference on Urban Street Patterns, Transport and Urban Design (ICUSPTUD'18).
 50. **2018** 20th International Conference on Complex Networks and Applied Mathematics (ICCNAM'18).
 51. **2018** 20th International Conference on Social Network Analysis (ICSNA'18).
 52. **2018** 20th International Conference on Complex Networks and Mathematical Sciences (ICCNMS'18).

國科會及長庚醫院專題研究計畫審查

1. **2007** 建構全域性遠距醫療行動診察服務平台之研究，國科會工程處資訊學門
2. **2011** 多分類器系統建構之理論與實務，國科會工程處資訊學門
3. **2016** 科技部大專學生研究計畫初審暨複審委員，科技部工程處資訊學門
4. **2016** 手持式裝置飲食記錄 APP-自動化產生個人飲食衛教建議開發與探討，長庚醫院

5. 2017 科技部大專學生創作獎，科技部工程處資訊學門
6. 2018 基於動態波紋之視覺狀態檢測方法，長庚大學研發成果專利申請評審，長庚大學

演 講 者

1. 黃崇源，Simulation work on SARS modeling，SARS 的預防及診斷—台灣經驗，台灣預防醫學學會 92 年度學術研討會（2003 台灣醫學週），台北國際會議中心。
2. 黃崇源，流行性傳染病電腦模擬與公衛政策之成效評估：以 2003 SARS 為例，中國醫藥大學風險管理學系 95 學年度學報討論，立夫大樓國際會議廳。
3. 黃崇源，使用電腦模擬方法來研究流行性傳染病傳播動態與公衛傳染阻絕政策之成效：以 2003 SARS 為例，林口長庚醫院第二會議廳。
4. 黃崇源，假如 H5N1 流感侵襲台灣，台灣大學流行病學研究所（溫在弘教授主持），203 教室。
5. 黃崇源，「生涯達人在龍山」實施計劃，台北市龍山國中，806 教室。
6. 黃崇源，發現數位世界的無限可能，台北縣立雙溪高中，長庚大學第二醫學大樓國際會議廳。
7. 黃崇源，社會網絡流行病電腦模擬，台北市立教育大學資訊科學學系（謝吉隆教授主持）。
8. 黃崇源，發現數位世界的無限可能，台北市私立景文高中。
9. 黃崇源，新型流感侵襲台灣：傳染病與防疫策略電腦模擬，交通大學資訊工程學系 99 學年學報討論（胡毓志教授主持）。
10. 黃崇源，新型流感 H1N1 侵襲台灣：傳染病與阻絕策略電腦模擬，台灣大學流行病學所（溫在弘教授主持）。
11. 黃崇源，新型流感 H1N1 侵襲台灣：傳染病與阻絕策略電腦模擬，師範大學圖書資訊所（謝吉隆教授主持）。
12. 黃崇源，發現數位世界的無限可能，中國科技大學資訊管理學系（林潮文教授主持）。
13. 黃崇源，發現數位世界的無限可能，台北市私立延平中學。
14. 黃崇源，發現數位世界的無限可能，台北市立百齡高中。
15. 黃崇源，利用 GA 決定 AED 在台北市 7-11 最佳設置定點，Biodesign Roundtable 歲末座談，中國醫藥大學健康風險管理學系（藍郁青教授主持）。
16. 黃崇源，發現數位世界的無限可能，台北市立南湖高中。
17. 黃崇源，發現數位世界的無限可能，台北市立南湖高中。
18. 黃崇源，發現數位世界的無限可能，桃園市陽明高中。
19. 黃崇源，發現數位世界的無限可能，彰化市精誠高中。
20. 黃崇源，發現數位世界的無限可能，桃園市陽明高中。
21. 黃崇源，六度分隔與複雜網路，國防部參謀本部資通電軍指揮部網路環境研析中心網路偵蒐課
22. 黃崇源，發現數位世界的無限可能，彰化市精誠高中。

國 內 學 術 活 動

1. 僑光科技大學，2017.06，副教授升等審查

2. 台灣發展研究年會，第八屆發展研究年會：環境與永續發展，空間資料與永續發展場次評論人
 3. 台灣發展研究年會，第八屆發展研究年會：環境與永續發展，環境與疾病的永續治理場次評論人
 4. 先進工程學刊 × 1 篇 (AE12009)
 5. 圖書館學與資訊科學期刊 × 1 篇 (653)
 6. 2007 資訊科技應用學術研討會 (Information Technology and Applications Conference, *ITAC'07*)
 7. 2012 第十七屆行動計算研討會 (Mobile Computing, *MC'12*)
 8. 2015 輔仁大學資訊管理學系第 32 屆資訊系統專題發表會校外評審委員
 9. 2016 輔仁大學資訊管理學系第 33 屆資訊系統專題發表會校外評審委員
 10. 2017 輔仁大學資訊管理學系第 34 屆資訊系統專題發表會校外評審委員
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