CURRICULUM VITAE

Dr. Sheng-Lung Peng

Professor, National Taipei University of Business, Taiwan

Honorary Professor, Beijing Information Science and Technology University, China

Visiting Professor, Ningxia Institute of Science and Technology, China

Adjunct Professor, National Dong Hwa University, Taiwan

Adjunct Professor, Mandsaur University, Mandsaur, Madhya Pradesh, India

Adjunct Professor, Kazi Nazrul University, Asansol, West Bengal, India

Doctor of Philosophy in Computer Science, National Tsing Hua University, Taiwan, 1999.

Master of Science in Computer Science and Information Engineering, National Chung Cheng University, Taiwan, 1992.

Bachelor of Science in Mathematics, National Tsing Hua University, Taiwan, 1988.

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Research Interests:

Designing algorithms for Artificial Intelligence, Bioinformatics, Combinatorics, Data Mining, and Networking.

Employment:

2022.11-present	President of the Association of Taiwan Computer Programming Contest, Taiwan
2022.08-present	Dean of the College of Innovative Design and Management, National Taipei University of Business, Taiwan
2022.01-present	Director of ICPC Asia Taoyuan Site

2020.08-present	Professor of the Department of Creative Technologies and Product Design, National Taipei University of Business, Taiwan
2020.02-present	Director of Chinese Association of Public Affairs Management
2018.07-present	Director of Institute of Information and Computing Machinery, Taiwan
2016.08-present	Supervisor of Association of Algorithms and Computation Theory, Taiwan
2016.08-present	Supervisor of Chinese Information Literacy Association, Taiwan
2015.08-present	Director of the Taiwan Association of Cloud Computing, Taiwan
2020.08-2023.01	Director of the Department of Creative Technologies and Product Design, National Taipei University of Business, Taiwan
2019.11-2022.11	Secretary General of the Association of Taiwan Computer Programming Contest, Taiwan
2019.02-2022.01	Director of Information Service Association of Chinese Colleges, Taiwan
2021.01-2021.12	Director of ICPC Asia Taipei Site
2019.01-2020.12	Director of ICPC Asia Taipei-Hsinchu Site
2016.01-2020.12	Editorial Review Board member of International Journal of Ambient Computing and Intelligence (IJACI)
2015.08-2020.07	Professor of National Dong Hwa University, Taiwan
2018.08-2019.07	Supervisor of Interlibrary Cooperation Association, Taiwan
2016.02-2019.07	Dean of Library and Information Services Office, National Dong Hwa University, Taiwan
2013.11-2019.10	Director of the ACM-ICPC Contest Council for Taiwan
2015.07-2018.06	Secretary General of the Institute of Information and Computing Machinery, Taiwan
2017.01-2017.12	Director of ICPC Asia Hualien Site
2014.08-2016.07	Convener of the East Region of Service Science Society of Taiwan
2013.08-2016.07	Secretary General of the Association of Algorithms and Computation Theory, Taiwan
2013.08-2015.07	Secretary General of the Taiwan Association of Cloud Computing, Taiwan
2008.08-2015.07	Associate Professor of National Dong Hwa University, Taiwan
2011.08-2013.07	Vice Secretary General of the Taiwan Association of Cloud Computing, Taiwan
1999.08-2008.07	Assistant Professor of National Dong Hwa University, Taiwan
2003.08-2007.07	Curriculum Director of the Office of Academic Affairs, National Dong Hwa University, Taiwan

Professional: (2018-present)

1. Conference Co-Chair, 34th International Workshop on Combinatorial Algorithms (IWOCA 2023), National Cheng Kung University, Tainan, Taiwan, 7-10 June, 2023.

2. Invited Speaker, Research Day, Modern College of Business and Science, Sultanate of Oman, 3 March, 2023.

3. Conference Chair, 3rd International Conference on Mathematical Modeling and Computational Science (ICMMCS 2023), Mother Teresa Women's University, Madurai, Tamilnadu, India, 24-25 February, 2023.

4. Session Chair of the 8th International Congress on Information and Communication Technology (ICICT 2023), London, United Kingdom, 20-23 February, 2023.

5. Keynote Speaker of the IEEE International Conference on Intelligent Systems for Communication, IoT, and Security (ICISCoIS 2023), PSG College of Technology, Coimbatore, India, 9-11, February, 2023.

6. Conference Chair, International Computer Symposium (ICS 2022), National Taipei University of Business, Taoyuan, Taiwan, 15-17 December, 2022.

7. Conference Chair, Taiwan Academic Network Conference (TANET 2022), National Taipei University of Business, Taoyuan, Taiwan, 15-17 December, 2022.

8. Keynote Speaker of the International Conference on Management and IT (ICMIT), International School of Informatics && Management Technical Campus, Jaipur, India, 9-10, September, 2022.

9. Session Chair of the 6th World Conference on Smart Trends in Systems, Security and Sustainability (WORLDS4 2022), London, United Kingdom, 24-27 August, 2022.

10. Keynote Speaker of the Second International Conference on Innovations in Software Architecture and Computational Systems (ISACS), Guru Nanak Institute of Technology, Kolkata, India, 21-22 July, 2022.

11. Keynote Speaker of the 10th International Conference on Recent Trends in Computing (ICRTC 2022), SRM Institute of Science and Technology Delhi-NCR Campus, Ghaziabad, India, 3-4 June, 2022.

12. Chair Person of the International Conference on Contemporary Issues & Challenges in Management and Economics in Association with National Taipei University of Business, Taiwan (ICCICME 2022), School of Management, University of Engineering and Management, Jaipur, India, 1-2 April, 2022

13. Keynote Speaker of the VISTAS International Conference on Computing and Mathematics (VICCM 2022), Vels Institute of Sciences, Technology & Advanced Studies, Chennai, India, 23-24 March, 2022.

14. Guest of Honor of the 4th International Conference on Machine Intelligence and Signal Processing (MISP 2022), National Institute of Technology Raipur, India, 12-

14 March, 2022.

15. Session Chair of the 7th International Congress on Information and Communication Technology (ICICT 2022), London, United Kingdom, 21-24 February, 2022.

16. Keynote Speaker of the International Conference on Machine Intelligence and Network Data Security (MINDS 2022), NSHM - Knowledge Campus, India, 18-19 February, 2022.

17. Invited Speaker of the 7th International Conference on Computing in Engineering and Technology (ICCET 2022), Dr. Babasaheb Ambedkar Technological University, Lonere, India, 12-13 February, 2022.

18. Plenary Speaker of the International Conference on Emerging Trends in Mathematical Sciences and Computing (IEMSC 2022), Institute of Engineering and Management, Kolkata, India, 4-6 February, 2022.

19. Guest Speaker of the International Symposium on Recent Trends on Emerging Technologies, School of Computer Science and Engineering, Dev Bhoomi Uttarakhand University, 23-24 December, 2021.

20. Keynote Speaker of the International Conference on Cyber Technologies and Emerging Sciences (ICCTES 2021), Graphic Era Hill University, 17-18 December, 2021.

21. Workshop Chair, Workshop on Algorithms and Computation Theory in National Computer Symposium (NCS 2021), Tunghai University, Taiwan, 10-12 December, 2021.

22. Keynote Speaker of the International Symposium on Computational Methods and Data Engineering (ICMDE 2021), Vellore Institute of Technology-Vellore, 25-26 November, 2021.

23. Conference Chair, 3rd International Conference on Innovative Computing and Cutting-edge Technologies (ICICCT 2021), http://www.icicct-conference.com, 19-20 November, 2021.

24. Conference Chair, 2nd International Conference on Mathematical Modeling and Computational Science (ICMMCS 2021), http://www.icmmcs.in, 29-30 October, 2021.

25. Keynote Speaker of the 5th International Conference on Micro-Electronics and Telecommunication Engineering (ICMETE 2021), SRM Institute of Science and Technology Delhi-NCR Campus, Ghaziabad, 24-25 September, 2021.

26. Keynote Speaker of the 2nd Global Conference on Artificial Intelligence and Applications (GCAIA 2021), University of Engineering and Management, Jaipur, 8-10 September, 2021.

27. Keynote Speaker of the Online International Conference on Recent Innovations in Engineering and Technology for Sustainable Living (RIETSL 2021), Career Point

University, 8-9 September, 2021.

28. Invited Speaker, Global Tech Talk Series, School of Engineering and Technology, Christ University, Bangalore, India, 21 August, 2021.

29. Keynote Speaker of the 1st International Management Conclave (IMC 2021), University of Engineering and Management, Jaipur, 5-6 August, 2021.

30. Keynote Speaker of the International Conference on Advancements in Engineering and Sciences (ICAES 2021), Dehradun, Uttarakhand, India, 1-2 July, 2021.

31. Invited Speaker of the 24th International Conference on Global Trends of Data Analytics in Business Management, Social Sciences, Medical Sciences and Decision making (FAI-ICDBSMD 2021), 25-27 June, 2021.

32. Keynote Speaker of the 9th International Conference on Recent Trends in Computing (ICRTC 2021), SRM Institute of Science and Technology Delhi-NCR Campus, Ghaziabad, 4-5 June, 2021.

33. Session Chair of the Fifth International Conference on Smart Trends for Computing and Communication (SmartCom 2021), Las Vegas, USA, 15-16 April, 2021.

34. Keynote Speaker of the 4th Edition of International Conference on Communications and Cyber-Physical Engineering (ICCCE 2021), G H Raisoni College of Engineering & Management, Wagholi, Pune, 9-10 April, 2021.

35. Eminent Speaker of the National Summit on Cyber Security, Institute of Technology and Science, Mohan Nagar, Ghaziabad, 20 March, 2021.

36. Keynote Speaker of the International Conference on Wireless Sensor Networks, Ubiquitous Computing and Applications (ICWSNUCA 2021), Hyderabad, India, 26-27 February, 2021.

37. Chief Guest of the Two Days National Workshop on Julia for Data Science, Indus University, India, 26-27 February, 2021.

38. Session Chair of the Sixth International Congress on Information and Communication Technology (ICICT 2021), London, United Kingdom, 25-26 February, 2021.

39. Keynote Speaker of the 2nd International Conference on Technology Innovation and Data Sciences (ICTIDS 2021), Lincoln University College, Malaysia, 19-20 February, 2021.

40. Guest Speaker of International Faculty Development Programme on International Cyber Law, Economics and Research (ICLER- 2020), Graphic Era Hill University Dehradun, India, 8 October, 2020.

41. Conference chair of the International Conference on Innovative Computing and Cutting-edge Technologies (ICICCT 2020), Bangkok, Thailand, 11-12 September, 2020.

42. Keynote speaker of the SGVU-Global Science Summit 2020, Suresh Gyan Vihar

University, India, 17-22 August, 2020.

43. Conference chair of the 1st International Conference on Mathematical Modeling and Computational Science (ICMMCS 2020), Pattaya, Thailand, 14-15 August, 2020.

44. Keynote speaker of the 1st International Conference on Data Science and Intelligent Applications (ICDSIA-20), Gandhinagar, India, 24-25 January, 2020.

45. Keynote speaker of the 4th International Conference on Advanced Computing and Intelligent Engineering (ICACIE 2019), Bhubaneswar, India, 21-23 December, 2019.

46. Mewadev Laurel Award 2019, Contemporary Literary Society of Amlor: Banda (U.P.-India)

47. Conference co-chair of the 3rd International Conference on Security with Intelligent Computing and Big-data Services (SICBS 2019), New Taipei City, Taiwan, 4-6 December, 2019.

48. Program chair of the International Conference on Machine Learning and Intelligent Systems (MLIS 2019), Hualien, Taiwan, 19-12 November, 2019.

49. Program chair of the 2nd International Conference on Sensor Networks and Signal Processing (SNSP 2019), Hualien, Taiwan, 19-12 November, 2019.

50. Keynote speaker of the International Conference on Innovative Computing and Cutting-edge Technologies (ICICCT 2019), Istanbul, Turkey, 30-31 October, 2019.

51. Keynote speaker and Conference chair of the 5th International Conference on Fuzzy Systems and Data Mining (FSDM 2019), Kitakyushu, Japan, 18-21 October, 2019.

52. Keynote speaker of the International Conference on Technology Innovation and Data Sciences (ICTIDS 2019), Petaling Jaya, Selangor, Malaysia, 11-12 October, 2019.

53. Keynote speaker of the International Conference on Computational Intelligence and Information Retrieval (CIIR 2019), Kolkata, India, 23-25 September, 2019.

54. Lifetime Achievement, Global Outreach Education Award 2019, www.gorea.org

55. Keynote speaker of the International Conference on Advances in Computing and Communication Technologies (ICACCT 2018), Hyderabad, India, 21-22 December, 2018.

56. Keynote speaker of the 8th World Congress on Information and Communication Technologies (WICT 2018), Kochi, India, 17-19 December, 2018.

57. Keynote speaker of the 5th International Conference on Computational Intelligence in Data Mining (ICCIDM 2018), Sambalpur, India, 15-16 December, 2018.

58. Program chair of International Conference on Security with Intelligent Computing and Big-data Services (SICBS 2018), Guilin, China, 14-16 December, 2018.

59. Keynote speaker of the 7th International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA 2018), Da Nang, Vietnam, 29-30 November, 2018.

60. Keynote speaker and Conference chair of the 22nd International Computer Science

and Engineering Conference (ICSEC 2018), Thailand, 21-24 November, 2018.

61. Keynote speaker and Conference chair of the 4th International Conference on Fuzzy Systems and Data Mining (FSDM 2018), Bangkok, Thailand, 16-19 November, 2018.

62. Keynote speaker of the International Conference on Computational Intelligence and Data Analytics (ICCIDA 2018), Bhubaneswar, India, 26-27 October, 2018.

63. Conference co-chair of the Summit on Computational & Web Intelligence (CI 2018), Thailand, 14-15 September, 2018.

64. Keynote speaker of the International Conference on Emerging Technologies in Data Mining and Information Security (IEMIS 2018), Kolkata, India, 23-25 February, 2018.

65. Keynote speaker of the International Conference on Emerging Trends in Expert Applications and Security (ICETEAS 2018), Jaipur, India, 17-18 February, 2018.

Papers: (2018-present)

1. K.-J. Pai, R.-Y. Wu, S.-L. Peng, J.-M. Chang, Three Edge-Disjoint Hamiltonian Cycles in Crossed Cubes with Applications to Fault-Tolerant Data Broadcasting, The Journal of Supercomputing 79:4126–4145. (Mar. 2023) https://doi.org/10.1007/s11227-022-04825-5

2. L.-P. Hung, S.-L. Peng, J.-L. Hsu, C.-C. Lin, A New Portable Home Nursing Care Support System with Scheduling and Flexible Real-time Routing Mechanism, Journal of Internet Technology 24:1, 77-87 (Jan. 2023).

3. T.N. Manjunath, A. Hiremath, M. Niranjanamurthy, S.-L. Peng, M.R. Shrihari, S.K. Pushpa, A Survey on Machine Learning Techniques Using Quantum Computing, Proceedings of the 4th International Conference on Emerging Research in Electronics, Computer Science and Technology (ICERECT), Mandya, India, 26-27 December 2022.

4. X.-W. Qin, R.-X. Hao, S.-L. Peng, Fault Diagnosability of Multigraph Matching Composition Networks, Proceedings of the 25th International Computer Symposium (ICS), Taoyuan, Taiwan, 15-17 December 2022.

5. Ming Zhao, Jie Li, Liuqing Xiang, Zu-hai Zhang, S.-L. Peng, A diagnosis model of dementia via machine learning, Frontiers in Aging NeuroScience 14:984894 (Sep. 2022). doi: 10.3389/fnagi.2022.984894

6. M. Li, M. Zhao, T. Luo, Y. Yang, S.-L. Peng, A Compact Parallel Pruning Scheme for Deep Learning Model and Its Mobile Instrument Deployment, Mathematics 10: 2126 (June 2022)

7. B. Liu, K. Chen, S.-L. Peng, M. Zhao, Adaptive Aggregate Stereo Matching Network with Depth Map Super-Resolution, Sensor 22: 4548 (June 2022)

8. R. Sharma, D. Gupta, A. Maseleno, S.-L. Peng, Introduction to the special issue on big data analytics with internet of things-oriented infrastructures for future smart

cities, Expert System 39: e12969 (May 2022)

9. R. Sharma, D. Gavalas, S.-L. Peng, Smart and Future Applications of Internet of Multimedia Things (IoMT) Using Big Data Analytics, Sensor 22: 4146 (May 2022)

10. M. Zhao, M. Hu, M. Li, S.-L. Peng, J. Tan, A Novel Fusion Pruning Algorithm Based on Information Entropy Stratification and IoT Application, Electronics 11(8): 1212 (Apr. 2022)

11. M. Zhao, M. Li, S.-L. Peng, J. Li, A Novel Deep Learning Model Compression Algorithm, Electronics 11(7): 1066 (Mar. 2022)

12. D. Gupta, Joel J. P. C. Rodrigues, S.-L. Peng, N. Nguyen, Editorial: Artificial Intelligence for eHealth, Frontiers in Public Health 10: 852840 (Mar. 2022)

13. C. Chen, X.-Y. Wang, J. Chen, Q. Liu, S.-L. Peng, An Active Security System Based on AR Smart Classes and Face Recognition Technology, Journal of Internet Technology 23(2): 245-253 (Mar. 2022).

14. J.-S. Yang, X.-Y. Li, S.-L. Peng, J.-M. Chang, Parallel Construction of Multiple Independent Spanning Trees on Highly Scalable Datacenter Networks, Applied Mathematics and Computation 413: 126617 (Jan. 2022).

15. C. Chen, S.-L. Peng, Multi Barcode Scanning and Decoding Technology Based on AR Smart Glasses, Journal of Information Hiding and Multimedia Signal Processing 12(4): 192-204 (Dec. 2021).

16. K.-J. Pai, R.-Y. Wu, S.-L. Peng, J.-M. Chang, Three Edge-Disjoint Hamiltonian Cycles in Crossed Cubes with Applications to Fault-Tolerant Data Broadcasting, Proceedings of the 23rd IEEE International Conference on High Performance Computing and Communications (HPCC 2021), Hainan, China, 20-22 December 2021.

17. R. Sharma, D. Gupta, Z. Polkowski, S.-L. Peng: Introduction to the special section on big data analytics and deep learning approaches for 5G and 6G communication networks (VSI-5g6g), Computers and Electrical Engineering 95(C): 107507 (Oct. 2021)

18. S.-Y. Hsieh, V. B. Le, S.-L. Peng, On the d-Claw Vertex Deletion Problem, Proceedings of the 27th International Conference on Computing and Combinatorics (COCOON 2021), LNCS 13025, 591-603, Tainan, Taiwan, 24-26 October 2021. (Best Paper Award)

19. D. Gupta, V.H.C. de Albuquerque, S.-L. Peng, A. Khanna, G. N. Nguyen, O. Castillo, Guest Editorial: Internet of Things for e-Health Applications, IEEE Internet of Things Magazine 4(3): 4-5 (Sep. 2021)

20. C.‑Y. Chen, S.‑Y. Hsieh, H.‑O. Le, V. B. Le, S.‑L. Peng, Matching Cut in Graphs with Large Minimum Degree, Algorithmica 83(5): 1238-1255 (May 2021).

21. S.-H. Chen, S.-L. Peng, R.-S. Chang, A Hierarchical Overlapping Community

Detection Algorithm, Proceedings of the 38th Workshop on Combinatorial Mathematics and Computation Theory (2021) 18-24. (Best Paper Award)

22. C.-H. Chang, S.-L. Peng, J.-M. Chang, R.-S. Chang, Obtaining an Overlapping Community Structure from a Partitioned Case, Proceedings of the 38thWorkshop on Combinatorial Mathematics and Computation Theory (2021) 208-213.

23. Z. Zhang, C. Li, S.-L. Peng, X. Pei, A new task offloading algorithm in edge computing, EURASIP Journal on Wireless Communications and Networking, 2021(1):17 (Jan. 2021).

24. S.-L. Zhao, R.-X. Hao, S.-L. Peng, Reliability Assessment of Some Regular Networks, The Computer Journal 64(1):1-6 (Jan. 2021).

25. S.-L. Peng, L. Zhang, J. Fan, C.-K. Lin, H. Chen, Strong Spanning Laceability of Mesh, Journal of Internet Technology 21(7): 2055-2064 (Dec. 2020).

26. S. Lin, G. Lee, S.-L. Peng, Academic Article Recommendation by Considering the Research Field Trajectory, Proceedings of the International Conference on Innovative Computing and Cutting-edge Technologies (ICICCT 2020), LAIS 21, 447-454.

27. M. Rath, B. Pati, C.R. Panigrahi, S.-L. Peng, Control of congestion and traffic light using intelligent approaches in smart city, Int. J. Wireless and Mobile Computing 18(4): 371-380 (Jul. 2020).

28. O. Navrátil, S. Kantabutra, S.-L. Peng, On Phalanx Graph Search Number, Journal of Internet Technology 21(4): 1189-1198 (Jul. 2020).

29. Y. Fu, Y. Liu, S.-L. Peng, An Integrated Word Embedding-Based Dual-Task Learning Method for Sentiment Analysis, Arabian Journal for Science and Engineering 45(4): 2571-2586 (Apr. 2020).

30. J. Wang, Z. Zhang, S.-C. Wang, S.-L. Peng, Y. Rui, Unified Identity Authentication Based on D-S Evidence Theory, Journal of Internet Technology 21(2): 535-542 (Mar. 2020).

31. T. Yao, Y. Liu, S.-C. Wang, S.-L. Peng, K. Mi, Z. Ying, Cross-regional Cross-level Encryption Collaborative Data Transmission, Journal of Computers 31(1): 166-175 (Feb. 2020).

32. S.-Y. Hsieh, H.-O. Le, V. B. Le, S.-L. Peng, Matching Cut in Graphs with Large Minimum Degree: Proceedings of COCOON 2019, Lecture Notes in Computer Science 11653 (2019) 301-312.

33. J.-K. Zeng, G. Lee, S.-L. Peng: Computing the k-Dominant Skyline Efficiently in the Dynamic Environments, Proceedings of the International Conference on Computational Intelligence and Data Analytics (ICCIDA 2018), Bhubaneswar, India, 26-27 October 2018.

34. C.-N. Yang, F.-H. Wu, S.-L. Peng: Enhancing multi-factor cheating prevention in

visual cryptography based minimum (k, n)-connected graph, Journal of Visual Communication and Image Representation 55 (2018) 660-676. https://doi.org/10.1016/j.jvcir.2018.07.012

35. Van Bang Le, S.-L. Peng: On the Complete Width and Edge Clique Cover Problems, Journal of Combinatorial Optimization, 36 (2018) 532-548.

36. R. Banga, A. Bhardwaj, S.-L. Peng, G. Shrivastava: Authorship Attribution for Online Social Media, Book chapter in "Social Network Analytics for Contemporary Business Organizations", a volume in the Advances in Business Information Systems and Analytics (ABISA) Book Series, IGI Global, 2018.

37. R. Anand, G. Shrivastava, S. Gupta, S.-L. Peng, N. Sindhwani: Audio Watermarking with Reduced Number of Random Samples: Book chapter in "Handbook of Research on Network Forenisics and Analysis Techniques", a volume in the Advances in Information Security, Privacy, and Ethics (AISPE) Book Series, IGI Global, 2018.

38. N. Jumeam, O. Navratil, S.-L. Peng: On the Node Searching Spanning Tree Problem, Journal of Computers 29 (2018) 160-165.

Books: (2018-present)

1. A. Hussain, G. Tyagi, S.-L. Peng (Eds.), IoT and AI Technologies for Sustainable Living: A Practical Handbook, ISBN 978-0-36750-711-4, CRC Press, 2023.

2. S.-Y. Hsieh, L.-J. Hung, R. Klasing, C.-W. Lee, S.-L. Peng (Eds.), New Trends in Computer Technologies and Applications: Proceedings of 25th ICS 2022, Communications in Computer and Information Science 1723, ISBN 978-981-19-9582-8, Springer, 2022.

3. S.K. Kuanar, B.K. Mishra, S.-L. Peng, D.D. Dasig Jr. (Eds.), The Role of IoT and Blockchain: Techniques and Applications, ISBN 978-1-77188-914-8, CRC Press, 2022.

4. S. Sharma, S.-L. Peng, J. Agrawal, R.K. Shukla, D.-N. Le (Eds.), Data, Engineering and Applications: Select Proceedings of IDEA 2021, Lecture Notes in Electrical Engineering 907, ISBN 978-981-19-4686-8, Springer, 2022.

5. D. K. Sharma, S.-L. Peng, R. Sharma, D. A. Zaitsev (Eds.), Micro-Electronics and Telecommunication Engineering: Proceedings of 5th ICMETE 2021, Lecture Notes in Networks and Systems 373, ISBN 978-981-16-8720-4, Springer, 2022.

6. S.-L. Peng, S.-Y. Hsieh, S. Gopalakrishnan, B. Duraisamy (Eds), Intelligent Computing and Innovation on Data Science: Proceedings of ICTIDS 2021, Lecture Notes in Networks and Systems 248, ISBN 978-981-16-3152-8, Springer, 2021.

7. P. Nayak, S. Pal, S.-L. Peng (Eds.), IoT and Analytics for Sensor Networks: Proceedings of ICWSNUCA 2021, Lecture Notes in Networks and Systems 244, ISBN

978-981-16-2918-8, Springer, 2021.

8. S. Kautish, S.-L. Peng, A. J. Obaid (Eds.), Computational Intelligence Techniques for Combating COVID-19, EAI/Springer Innovations in Communication and Computing, ISBN 978-3-030-68935-3, Springer, 2021.

9. N. Pradeep, S. Kautish, S.-L. Peng, Demystifying Big Data, Machine Learning, and Deep Learning for Healthcare Analytics, ISBN: 9780128216330, Elsevier, 2021.

10. S.-L. Peng, R.-X. Hao, S. Pal (Eds.), Proceedings of First International Conference on Mathematical Modeling and Computational Science (ICMMCS 2020), Advances in Intelligent Systems and Computing 1292, ISBN 978-981-334-389-4, Springer, 2021.

11. V. Bhateja, S.-L. Peng, S. C. Satapathy, Y.-D. Zhang (Eds.), Evolution in Computational Intelligence, Frontiers in Intelligent Computing: Theory and Applications (FICTA 2020), Volume 1, Advances in Intelligent Systems and Computing 1176, ISBN 978-981-15-5788-0, Springer, 2021.

12. M. Favorskaya, S.-L. Peng, M. Simic, B. Alhadidi, S. Pal (Eds.), Intelligent Computing Paradigm and Cutting-edge Technologies, Proceedings of the Second International Conference on Innovative Computing and Cutting-edge Technologies (ICICCT 2020), Learning and Analytics in Intelligent Systems 21, ISBN 978-3-030-65407-8, Springer, 2021.

13. L. C. Jain, S.-L. Peng, S.-J. Wang (Eds,), Security with Intelligent Computing and Big-Data Services 2019: Proceedings of the 3rd International Conference on Security with Intelligent Computing and Big-data Services (SICBS), Advances in Intelligent Systems and Computing 1145, ISBN 978-3-030-46827-9, Springer, 2020.

14. B. K. Mishra, S. K. Kuanar, S.-L. Peng, Jr. D. D. Dasig (Eds.), Handbook of IoT and Blockchain: Methods, Solutions, and Recent Advancements, ISBN 9780367422455, CRC Press, November 26, 2020.

15. G. Shrivastava, S.-L. Peng, H. Bansal, K. Sharma, M. Sharma (Eds.), New Age Analytics: Transforming the Internet through Machine Learning, IoT, and Trust Modeling, ISBN 9781771888752, CRC Press, November 26, 2020.

16. D. Goyal, S. Balamurugan, S.-L. Peng, O. P. Verma (Eds.), Design and Analysis of Security Protocol for Communication, ISBN 978-1-119-55564-3, Wiley, 2020.

17. S.-L. Peng, L.H. Son, G. Suseendran, D. Balaganesh (Eds.), Intelligent Computing and Innovation on Data Science, Proceedings of ICTIDS 2019, Lecture Notes in Networks and Systems 118, ISBN 978-981-15-3284-9, Springer, 2020.

18. S.-L. Peng, S. Pal, L. Huang (Eds.), Principles of Internet of Things (IoT) Ecosystem: Insight Paradigm, Intelligent Systems Reference Library 174, ISBN 978-3-030-33596-0, Springer, 2020.

19. L. C. Jain, S.-L. Peng, B. Alhadidi, S. Pal (Eds.), Intelligent Computing Paradigm and Cutting-edge Technologies, Proceedings of the First International Conference on

Innovative Computing and Cutting-edge Technologies (ICICCT 2019), Learning and Analytics in Intelligent Systems 9, ISBN: 978-3-030-38501-9, Springer, 2020.

20. D. Goyal, S. Balamurugan, S.-L. Peng, O. P. Verma (Eds.), Design and Analysis of Security Protocol for Communication, ISBN 978-1-119-55564-3, Wiley, 2020.

21. C.-N. Yang, S.-L. Peng, L.C. Jain (Eds.), Security with Intelligent Computing and Big-data Services: Proceedings of the Second International Conference on Security with Intelligent Computing and Big-data Services (SICBS-2018), Advances in Intelligent Systems and Computing 895, ISBN 978-3-030-16945-9, Springer, 2019.

22. S.-L. Peng, N. Dey, M. Bundele (Eds.), Computing and Network Sustainability: Proceedings of IRSCNS 2018, Lecture Notes in Networks and Systems 75, ISBN 978-981-13-7150-9, Springer, 2019.

On Going Postdocs

Supervisor – **Prof. Sheng-Lung Peng**, National Taipei University of Business, Taiwan

Candidates worked with

Co-Supervisor 1 – Prof. Pravin Ramdas Kshirsagar, Professor of Artificial Intelligence, G H Raisoni College of Engineering, Maharashtra, INDIA

Co-Supervisor 2 – Prof. Prasun Chakrabarti, Deputy Provost, ITM (SLS) Baroda University, Vadodara, Gujarat, INDIA

1. **Dr K Indhumathi**,
   Postdoc Topic (Project No. P/2022/02A) – Study and implementation of cancer theronastics in microwave engineering

2. **Dr A K Sharma**,
   Postdoc Topic (Project No. P/2022/02B) – Deep Learning and neural modelling in context to singer recognition and classification

3. **Dr Kamal Upreti**,
   Postdoc Topic (Project No. P/2022/02C) – Study on smart healthcare monitoring system based on Internet of Things (IoT)

4. **Dr Gaurav Kumar Ameta**,
   Postdoc Topic (Project No. P/2022/02F) – Diagnosis of COVID-19 and survival prediction of patients using artificial intelligence techniques – A Management Information Systems perspective

5. **Dr. Pushpendra Singh Sisodia**,
   Postdoc Topic (Project No. P/2022/02G) – Early stage detection of Alzheimer's disease using artificial intelligence techniques– A Management Information Systems perspective

6. **Dr Pradeep Kumar Tiwari**,

Postdoc Topic (Project No. P/2022/02H) – Early stage detection of Acute Lymphoblastic Leukemia (ALL) using artificial intelligence techniques– A Management Information Systems perspective

7. **Dr. Y. Sangeetha**,

Postdoc Topic (Project No. P/2022/02I) – Application of artificial intelligence and stochastic models in healthcare systems

8. **Dr. Ashish Kumar**,

Postdoc Topic (Project No. P/2022/02J) – Diagnosis of skin cancer using AI based techniques – A management information system perspective

9. **Dr S Parvathi Vallabhaneni,**

Postdoc Topic (Project No. P/2023/02K) – Recommender systems with social trust based on deep learning approach

10. **Dr. D.V. Manjula,**

Postdoc Topic (Project No. P/2023/02L) – Breast cancer classification using Machine learning Algorithms

Candidates –

11. **Dr. Y. Sangeetha**,

Postdoc Topic – Application of artificial intelligence and stochastic models in healthcare systems

12. **Dr. Joy Lal Sarkar**,

Postdoc Topic – Design and Analysis of an Intelligent Health Information System Based on Internet of Things Applications

Sheng-Lung Peng