Pin Ng
Division of Science, Engineering and Health Studies (SEHS)
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Research interests

Formal Concept Analysis
Model-based Software Testing

Qualifications

Doctorate, Applying Formal Concept Analysis in Requirements Validation with UML State Machine Model, City University of Hong Kong
Award Date: 4 Oct 2010

Master, M.Phil. (Software Engineering), The University of Hong Kong
Award Date: 28 Nov 1996

Master, MSc Management Science and Operational Research, University of Warwick
Award Date: 16 Jul 1992

Certified Information Systems Auditor (CISA), Information Systems Audit and Control Association

MHKCS, Hong Kong Computer Society

Research outputs

Experience of Using Formal Concept Analysis in Supporting Software Testing Activities
Ng, P., 2016, In: International Journal of Research in Engineering and Advanced Technology. 4, 2, p. 117-121

Requirements Engineering Process Models
Ng, P., 2015, In: International Journal of Research in Engineering and Advanced Technology. 3, 2, p. 154-158

Evaluating the Impact of Changing Secondary Education Curricula in Hong Kong: A Comparative Study of Science and Technology Sub-degree Students in Generic Competencies Development
So, J. C. H., Ng, P. & Lam, S. Y., 2014, In: Education Practice and Innovation. 1, 1, p. 6-12

A Formal Approach for Analyzing Test Case Reduction with Concept Lattice
Ng, P., 2013, In: Lecture Notes in Information Technology. 39, p. 153-159

A Study of Requirements Validation with UML
Ng, P., 2013, In: Asian Journal of Natural & Applied Sciences. 2, 2, p. 107-115

Applying formal concept analysis in prioritizing model-based test scenario
Ng, P. & Fung, R. Y. K., 2012, In: International Journal of Information Processing and Management. 3, 3, p. 66-75 10 p.

Model-based Test Scenario Prioritization with Formal Concept Analysis
Ng, P. & Fung, R. Y. K., 2011.

Incremental Model-based Test Suite Reduction with Formal Concept Analysis
Ng, P., Fung, R. Y. K. & Kong, R. W. M., 2010, In: Journal of Information Processing Systems. 6, 2, p. 197-208

An incremental approach for model-based test suite reduction using Formal Concept Analysis
Ng, P. & Fung, R. Y. K., 2009, *Proceedings of the 4th International Conference on Ubiquitous Information Technologies and Applications, ICUT 2009.* 5405725. (Proceedings of the 4th International Conference on Ubiquitous Information Technologies and Applications, ICUT 2009).

Application of formal concept analysis in model-based testing
Ng, P. & Fung, R. Y. K., 2009, *Advances in Software Engineering: International Conference, ASEA 2008, and Its Special Sessions, Sanya, Hainan Island, China, December 13-15, 2008. Revised Selected Papers.* Kim, T.-H., Fang, W. C., Lee, C. & Arnett, K. P. (eds.). p. 110-123 14 p. (Communications in Computer and Information Science; vol. 30).

A Concept Lattice Approach for Model-based Test Suite Reduction
Fung, R. Y. K. & Ng, P., 2008, In: Journal of Electronics and Computer Science. 10, 2, p. 105-112

A Study on the Students' Perception of Adopting Blended Learning at Subdegree Level
Tsoi, R. H. L. & Ng, P., 2008, p. 78-88.

Model-based test suite reduction with concept lattice
Ng, P. & Fung, R. Y. K., 2008, *Proceedings of the 2008 Advanced Software Engineering and its Applications, ASEA 2008.* p. 3-8 6 p. 4721302. (Proceedings of the 2008 Advanced Software Engineering and its Applications, ASEA 2008).

A concept lattice approach for requirements validation with UML state machine model
Ng, P., 2007, *Proceedings - SERA 2007: Fifth ACIS International Conference on Software Engineering Research, Management, and Applications.* p. 393-400 8 p. 4296963. (Proceedings - SERA 2007: Fifth ACIS International Conference on Software Engineering Research, Management, and Applications).

Applying formal Concept Analysis in Requirements Validation with UML State Machine Model
Fung, R. Y. K. & Ng, P., 2007, In: International Journal of Computer & Information Science. 8, 4, p. 550-559

Activities

Technical Program Committee, Computing 2026: 14th Computing Conference 2026, 9-10 July 2026, London, United Kingdom
Ng, P. (Committee Member)
Jul 2026

SEHH1034 Information and Communication Technology
Ng, P. (Subject Leader)
Jan 2026 → May 2026

SEHH2242 Object Oriented Programming
Ng, P. (Subject Leader)
Jan 2026 → May 2026

SEHH3143 Software Engineering
Ng, P. (Subject Leader)
Jan 2026 → May 2026

SEHS4510 Integrated Study (Applied Sciences)
Ng, P. (Supervisor)
Jan 2026 → May 2026

Technical Program Committee, FTC 2025 : Future Technologies Conference 2025, 6-7 November 2025, Munich, Germany
Ng, P. (Committee Member)
Nov 2025

8C112-IT Associate in Information Technology
Ng, P. (Academic Advisor)

Sept 2025 → Jun 2026

SEHH1034 Information and Communication Technology
Ng, P. (Subject Leader)
Sept 2025 → Dec 2025

SEHH2242 Object Oriented Programming
Ng, P. (Subject Leader)
Sept 2025 → Dec 2025

First Year Experience Survey, CPCE
Ng, P. (Project Owner)
Aug 2025 → Oct 2025

CPCE General University Requirements Committee
Ng, P. (Member)
Jun 2025 → Jun 2026

SEHS Divisional Programme Committee
Ng, P. (Member)
Jun 2025 → Jun 2026

Technical Program Committee, CC 2025 : 13th Computing Conference, 19-20 June 2025, London, United Kingdom
Ng, P. (Committee Member)
Jun 2025

Technical Program Committee, FICC 2025 : Future of Information and Communication Conference, 28-29 April 2025, Berlin, Germany
Ng, P. (Committee Member)
Apr 2025

SEHH2242 Object Oriented Programming
Ng, P. (Subject Leader)
Feb 2025 → May 2025

SEHH1034 Information and Communication Technology
Ng, P. (Subject Leader)
Jan 2025 → May 2025

SEHH3143 Software Engineering
Ng, P. (Subject Leader)
Jan 2025 → May 2025

SEHS4510 Integrated Study (Applied Sciences)
Ng, P. (Supervisor)
Jan 2025 → May 2025

Technical Program Committee, FTC 2024 - Future Technologies Conference 2024, 14-15 November 2024, London, United Kingdom
Ng, P. (Committee Member)
Nov 2024

8C112-IT Associate in Information Technology
Ng, P. (Academic Advisor)
Sept 2024 → Jun 2025

SEHH1034 Information and Communication Technology
Ng, P. (Subject Leader)
Sept 2024 → Dec 2024

SEHH2242 Object Oriented Programming
Ng, P. (Subject Leader)
Sept 2024 → Dec 2024

Technical Program Committee, 10th Intelligent Systems Conference 2024, 5-6 September 2024, Amsterdam, The Netherlands
Ng, P. (Committee Member)
Sept 2024

Technical Program Committee, 12th Computing Conference 2024, 11-12 July 2024. London, United Kingdom
Ng, P. (Committee Member)
Jul 2024

CPCE General University Requirements Committee
Ng, P. (Member)
Jun 2024 → Jun 2025

SEHS Divisional Programme Committee
Ng, P. (Member)
Jun 2024 → Jun 2025

CPCE GUR Committee
Ng, P. (Member)
Apr 2024 → Jun 2024

Technical Program Committee, Future of Information and Communication Conference (FICC) 2024, 4-5 April 2024, Berlin, Germany
Ng, P. (Committee Member)
Apr 2024

SEHH1034 Information and Communication Technology
Ng, P. (Subject Leader)
Jan 2024 → May 2024

SEHH2242 Object Oriented Programming
Ng, P. (Subject Leader)
Jan 2024 → May 2024

SEHH3143 Software Engineering
Ng, P. (Scheme Leader)
Jan 2024 → May 2024

8C112-IT Associate in Information Technology
Ng, P. (Academic Advisor)
Sept 2023 → Jun 2024

SEHH1034 Information and Communication Technology
Ng, P. (Subject Leader)
Sept 2023 → Dec 2023

SEHH2242 Object Oriented Programming
Ng, P. (Subject Leader)
Sept 2023 → Dec 2023

Technical Program Committee, Computing Conference 2023, 22-23 June 2023. London, United Kingdom
Ng, P. (Committee Member)
Jun 2023

SEHH1034 Information and Communication Technology
Ng, P. (Subject Leader)
Jan 2023 → May 2023

SEHH2242 Object Oriented Programming
Ng, P. (Subject Leader)
Jan 2023 → May 2023

SEHH3143 Software Engineering
Ng, P. (Subject Leader)
Jan 2023 → May 2023

Technical Program Committee, Future of Information and Communication Conference (FICC) 2023, 2-3 November 2023, San Francisco, USA.
Ng, P. (Committee Member)
2023

Technical Program Committee, Intelligent Systems Conference 2023 (IntelliSys 2023) 7-8 September 2023, Amsterdam, The Netherlands
Ng, P. (Committee Member)
2023

YES - Best Company Website Award
Ng, P. (Judge)
2023

YES - Website Design Workshop
Ng, P. (Speaker)
24 Oct 2022

8C112-IT Associate in Information Technology
Ng, P. (Academic Advisor)
Sept 2022 → Jun 2023

SEHH1034 Information and Communication Technology
Ng, P. (Subject Leader)
Sept 2022 → Dec 2022

SEHH2242 Object Oriented Programming
Ng, P. (Subject Leader)
Sept 2022 → Dec 2022

SEHH1034 Information and Communication Technology
Ng, P. (Subject Leader)
Jan 2022 → May 2022

SEHH3143 Software Engineering
Ng, P. (Subject Leader)
Jan 2022 → May 2022

Technical Program Committee, Future of Information and Communication Conference (FICC) 2022, 3-4 March 2022, San Francisco, USA.
Ng, P. (Committee Member)
2022

Technical Program Committee, Intelligent Systems Conference 2022 (IntelliSys 2022) 1-2 September 2022, Amsterdam, The Netherlands
Ng, P. (Committee Member)
2022

YES - Best Company Website Award.
Ng, P. (Judge)
2022

YES - Website Design Workshop
Ng, P. (Speaker)
26 Oct 2021

8C112-IT Associate in Information Technology
Ng, P. (Academic Advisor)
Sept 2021 → Jun 2022

SEHH1034 Information and Communication Technology
Ng, P. (Subject Leader)
Sept 2021 → Dec 2021

SEHH2242 Object Oriented Programming
Ng, P. (Subject Leader)
Sept 2021 → Dec 2021

Program Committee Member, FTC 2021 - Future Technologies Conference 2021, 28-29 October 2021, Vancouver, Canada.
Ng, P. (Committee Member)
2021

Programme Consultant (IT/Computer Courses), Christian Action
Ng, P. (Consultant)
2021 → 2022

Technical Program Committee, IntelliSys 2021 - Intelligent Systems Conference, 2-3 September 2021, Amsterdam, The Netherlands.
Ng, P. (Committee Member)
2021

Program Committee Member, FTC 2019 - Future Technologies Conference 2019, 14-15 November 2019, San Francisco, United States.
Ng, P. (Committee Member)
2019

Program Committee Member, Future of Information and Communication Conference (FICC 2018), April 2018, Singapore
Ng, P. (Committee Member)
2018

Technical Program Committee, Computing Conference 2018, July 2018, London, United Kingdom
Ng, P. (Committee Member)
2018

Editorial Committee, The 5th International Conference on Digital Contents and Applications (DCA 2016), Dec 2016, Jeju National University, South Korea
Ng, P. (Editor)
2016

International Journal of Digital Contents and Applications (Journal)
Ng, P. (Member of editorial board)
2015

The 4th International Conference on Digital Contents and Applications (DCA 2015) (Event)
Ng, P. (Editor)
2015

Session Chair, International Conference on Advancements in Computing Technology (ICACT2011), Jeju Island, South Korea
Ng, P. (Chairperson)
Dec 2011

Information Systems Audit and Control Association (ISACA)
Ng, P. (Member)
2006 → 2025

Hong Kong Computer Society (HKCS) (External organisation)
Ng, P. (Member)
2005 → 2025

Prizes

Best Research Paper and Presentation Award in the ACIS International Conference on Software Engineering Research, Management, and Applications (SERA)
Ng, P. (Recipient), 2007