

Recent Keynotes/Invited Talks (updated: 7 January 2020)

1. Y.M. Teo, **Modeling and Analysis of Insider Threats Vulnerabilities**, **Keynote Speaker**, International Conference on Informatics, Computing and Applied Mathematics, Kuala Terengganu, Malaysia, 26-28 October 2019.
2. Y.M. Teo, **Effects of Insider Threats on System Vulnerabilities**, **Keynote Speaker**, 5th IEEE International Conference on Advanced Computing and Communication Systems, Coimbatore, India, Mar 15-16, 2019.
3. Y.M. Teo, **Cost-time Performance of Scaling Elastic Cloud Applications**, **Keynote Speaker**, 3rd IEEE International Conference on Electric Electronics, Communication, Computer Technologies & Optimization Techniques, Mysuru, India, December 14-15, 2018.
4. Y.M. Teo, **Performance of Big Data on Small Nodes**, **Keynote Speaker**, 7th International Conference on Cloud Computing, Data Science & Engineering, CONFLUENCE-2017, Noida, Uttar Pradesh, India, 12-13 Jan 2017.
5. Y.M. Teo, **Social interactions and System Vulnerabilities**, **Keynote Speaker**, IEEE International Conference on Computer, Communication and Signal Processing, Chennai, India, Jan 10-11, 2017.
6. Y.M. Teo, **Performance of Big Data on Small Nodes**, **Keynote Speaker**, 23rd Monterey Workshop on Challenges and Opportunities with Big Data, Beijing, China, Oct 8-11, 2016.
7. Y.M. Teo, **On Modeling Known and Unknown Emergence in Complex Systems**, **Keynote Speaker**, 2nd International Conference of Young Computer Scientists, Engineers and Educators, Harbin, China, Aug 20-21, 2016.
8. Y.M. Teo, **Effects of Social Interactions on Systems Vulnerabilities**, **Keynote Speaker**, 8th International Conference on Computational Intelligence, Communication Systems and Networks, Kuala Lumpur, Malaysia, Jul 25-26, 2016.
9. Y.M. Teo, **Modeling and Formalizing Weak Emergence**, **Keynote Speaker**, 18th International Conference on Modeling and Simulation (UKSim2016), Cambridge University, UK, Apr 6-8, 2016.
10. Y.M. Teo, **Modeling and Formalizing Emergence**, **Keynote Speaker**, 7th International Conference on Intelligent Systems, Modeling and Simulation (ISMS), Bangkok, Thailand, Jan 25-27, 2016.
11. Y.M. Teo, **Modelling and Simulation in Experimental Cybersecurity Research**, **Keynote Speaker**, 3rd International Conference on Artificial Intelligence, Modelling and Simulation (AIMS), Kota Kinabalu, Malaysia, Dec 2-4, 2015.
12. Y.M. Teo, L. Ramapantulu and D. Loghin, **A Model-driven Approach for Time-energy Performance of Heterogeneous Systems**, **Invited Speaker**, IEEE Region 10 Conference (TENCON) - Computer Architecture & Systems Track, Macau, China, Nov 1-4, 2015.

13. Y.M. Teo, **A Hybrid Modeling Approach for Energy-efficient Execution of Parallel Applications**, **Keynote Speaker**, 9th Asia International Conference on Mathematical Modelling and Computer Simulation (AMS), Kuala Lumpur, Malaysia, Sep 7-9, 2015.
14. Y.M. Teo, **On Modeling and Simulation of Emergent Behavior in Complex Systems**, **Keynote Speaker**, 7th International Conference on Computational Intelligence, Modeling and Simulation (CIMSIM), Kuantan, Malaysia, Jul 27-29, 2015.
15. Y.M. Teo and L. Ramapantulu, **A Model-driven Approach for Time-energy Performance of Parallel Applications**, **Keynote Speaker**, 6th International Conference on Intelligent Systems, Modeling and Simulation (ISMS), IEEE Computer Society Press, Kuala Lumpur, Malaysia, Feb 9-11, 2015.
16. Y.M. Teo, **Modeling Flash Crowd Performance in Peer-to-peer Systems: Challenges and Opportunities**, **Keynote Speaker**, 5th International Conference on Intelligent Systems, Modeling and Simulation (ISMS), IEEE Computer Society Press, Langkawi, Malaysia, Jan 27-29, 2014.
17. Y.M. Teo, **A Formal Approach to Identify Emergent Properties in Simulation Models**, **Keynote Speaker**, 4th International Conference on Intelligent Systems, Modeling and Simulation (ISMS), IEEE Computer Society Press, Bangkok, Thailand, Jan 29-31, 2013.
18. Y.M. Teo, **Emergent Properties in Complex Systems – A Computer Science Perspective**, **Keynote Speaker**, International Conference on Intelligence System and Informatics (ISI), Bandung, Indonesia Nov 19-21, 2012.
19. Y.M. Teo, **Component-based Modeling and Simulation**, **Keynote Speaker**, 4th International Conference on Computational Intelligence, Modeling and Simulation (CIMSIM), Kuantan, Malaysia, Sep 25-27, 2012.
20. Y.M. Teo and B.M. Tudor, **Performance of Shared-Memory Programs on Multicore Systems**, **invited speaker**, 7th High Performance Computing Workshop, Serdang, Malaysia, Nov 1-2, 2011.
21. Y.M. Teo and C. Szabo, **Component-based Modeling and Simulation**, **invited speaker**, Military Training and Simulation Asia, Singapore, Sep 28-29, 2011.
22. C. Szabo and Y.M. Teo, **CODES: Component-based Modeling and Simulation**, **invited speaker**, Defence Simulation, Training and War-gaming Conference, Singapore, July 21-23, 2009.
23. C. Szabo and Y.M. Teo, **On Syntactic Composability and Model Reuse**, **invited speaker**, Proceedings of International Conference on Modeling and Simulation, pp 230-236, IEEE Computer Society Press, Phuket, Thailand, March 2007.