

**Dr. Yan Wu, Assistant Professor****Curriculum Vitae****I. Academic Degrees**

- 2011    Ph.D. in Information Technology – Software Engineering and Software Assurance, University of Nebraska at Omaha, Omaha NE, United States.  
Dissertation Title: Using Semantic Templates to Study Vulnerabilities Recorded in Large Software Repositories
- 2005    Master of Science in Computer Science – Software and Theory, Beijing Institute of Technology, Beijing China.  
Thesis Title: The Technical Analysis and Research on Hibernation-The Persistence Layer Management Framework
- 2002    Bachelor of Science in Computer Science and Engineering – Software Engineering, Beijing Institute of Technology, Beijing China.  
Thesis Title: System Test and Test Automation of CodeWarrior IDE for Rainbow 2

**II. Academic Positions**

- 2020 - Present    Associate Professor of Computer Science, Bowling Green State University, Bowling Green, Ohio
- 2014 - 2020    Assistant Professor of Computer Science, Bowling Green State University, Bowling Green, Ohio
- 2012 - 2014    Research Associate, Software Assurance Metrics And Tool Evaluation (SAMATE) team, Information Technology Laboratory (ITL), National Institute of Standards and Technology (NIST), Gaithersburg, MD
- 2009 - 2011    Research Assistant of Computer Science, University of Nebraska at Omaha, Omaha, Nebraska
- 2005 - 2009    Graduate Assistant of Computer Science, University of Nebraska at Omaha, Omaha, Nebraska
- 2002 - 2005    Research Assistant of Computer Science, Beijing Institute of Technology, Beijing, China

**III. Non-Academic Positions**

- 2001 - 2002    Intern Software Testing Engineer, Software Center of Motorola Inc. (CHINA) Beijing, China

**IV. Teaching Experience****A. Undergraduate Only Courses Taught (and number of sections):****➤ BGSU:**

- CS 4900: Undergraduate Independent Project (1)
- CS 3540: Introduction to Software Engineering (4)

- CS 3800: Special Topics in Computer Science - Introduction to Computer Security (2)
- CS 3320: Introduction to Computer Security (1)
- CS 3000: Professional and Societal Issues in Computing (2)
- CS 2020: Intermediate Programming (2)
- CS 2010: Programming Fundamentals (8)
- CS 1010: Introduction to Python Programming (1)
- CS 1000: Computer Basics (10)
- **University of Nebraska at Omaha**
  - CIST 1400: Introduction to Computer Programming (Java) (1)
  - CIST 1400: Introduction to Computer Programming (C++) (2)

### B. Graduate Only Courses Taught (and number of sections)

- CS 5850: Readings in Computer Science (Individual Studies) (3)
  - Abdulhadi Hamod Alshweeb, Thamali Madhushani Adhikari Mudiyansele, Shan He
- CS 6910: Directed Research (7)
  - Tejaswi Uppala, Jiazuo Wang, Abdulhadi Hamod Alshweeb, Shivashish Pati, Kevin A. Meiring, Rutwick Mylavarapu, and Thamali Madhushani Adhikari Mudiyansele
- CS 6210: Computer Systems Security (3)
- CS 6310: Secure Software Engineering (3)
- CS 6640: Software Engineering (1)

### C. Graduate Project Advisor

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|---|------|------|--------------------------------|
| ➤ Shivashish Pati                         | M.S. | 2016 | Bowling Green State University |
| ➤ Kevin A. Meiring                        | M.S. | 2016 | Bowling Green State University |
| ➤ Rutwick Mylavarapu                      | M.S. | 2016 | Bowling Green State University |
| ➤ Abdulhadi Hamod Alshweeb                | M.S. | 2017 | Bowling Green State University |
| ➤ Jiazuo Wang                             | M.S. | 2017 | Bowling Green State University |
| ➤ Tejaswi Uppala                          | M.S. | 2017 | Bowling Green State University |
| ➤ Thamali Madhushani Adhikari Mudiyansele | M.S. | 2019 | Bowling Green State University |

## V. Curriculum Development

- 2020    **Undergraduate Course Updates: CS 2010. Programming Fundamentals.** Participated in selecting new textbook, selecting contents and customize the model, jointly with Dr. Joseph Chao.
- 2019    **Undergraduate Course Updates: CS 1000. Computer Basics.** As course coordinator, met with publishers with other two faculty, and decided to update the textbook and online education platform.

- 2019     **Graduate Course Updates: CS 6310. Secure Software Engineering.**  
Updated lectures, assignments, and activities. Introduced research paper reviews and presentations to align with graduate students' learning outcome.
- 2019     **Graduate Course Updates: CS 6210. Computer Systems Security.**  
Updated textbook, assignments, labs and tests. Introduced research paper reviews and presentations to align with graduate students' learning outcome.
- 2018     **Undergraduate Course Updates: CS 3320. Introduction to Computer Security.** Added new lectures, new lab. Modified lecture slides, lab content, assignments and tests. Introduced Cybersecurity POGIL activities into the classroom.
- 2018     **Undergraduate Course Updates: CS 3540. Introduction to Software Engineering.** Added new lectures, in class exercises. Introduced CS-POGIL activities into the classroom.
- 2017 - 2018     **Graduate Course Creation: CS 5330. Network Security and Forensics.** Created the course green sheet and submitted, also participated the graduate committee meeting to present details about CS 5330.
- 2017     **Graduate Course Updates: CS 6210. Computer Systems Security.**  
Updated textbook, assignments, labs and tests. Introduced SEED lab environment to students and three security related labs (secret-key encryption, public-key encryption, buffer overflow).
- 2017     **Graduate Course Updates: CS 6310. Secure Software Engineering.**  
Updated course content, assignments, and tests.
- 2016 & 2017     **Undergraduate Course Creation and Modifications: CS 3320 (CS 3800). Introduction to Computer Security.** Designed and developed new lectures, assignments, labs and tests. Introduced basic computer security related concepts and techniques, provided hands-on exposure to techniques and tools employed in security. Updated course content and labs during second time teaching in Fall 2017.
- 2015     **Program Modifications: Created BS Specialization in Digital Forensics.** Served as Digital Forensics Specialization Ad Hoc Committee member Fall 2015 and involved in developing three new courses: CS 3320, CS 4320 and CS 4330. Also developed the full curriculum of CS 3320.

- 2015     **Graduate Course Updates: CS 6310. Secure Software Engineering.**  
Updated book, assignments, in-class activities and tests. Introduced new risk analysis tool and models.
- 2015     **Graduate Course Updates: CS 6640. Software Engineering.** Updated book, assignments, and tests.

## VI. Professional Development

- 2019     Took the online course “An Introduction to Online Course Design and Teaching”. Jul. 29 – Aug. 12, 2019.
- 2019     Helped organize and host Workshop: Incorporating the NIST standards in Digital Forensics Curricula  
([https://csweb.cs.bgsu.edu/events/df\\_workshop.html](https://csweb.cs.bgsu.edu/events/df_workshop.html)). Jul. 27, 2019
- 2019     Attended ASF workshop "Security by Design", presented by Nationwide. Apr. 26, 2019.
- 2019     Attended ALLIES Brown Bag discussion "Enacting Everyday Ally Actions". Apr. 5, 2019.
- 2019     Attended ALLIES Brown Bag discussion "Secret Service: Revealing Gender Biases in the Visibility and Value of Faculty Service". Mar. 7, 2019.
- 2019     Attended ALLIES Workshop and completed all pre-workshop online preparation modules before the workshop. Jan. 24<sup>th</sup>, 2019.
- 2018     Selected for ALLIES program.
- 2018     Attended Faculty 180 Training Session. BGSU. Jul. 26, 2018.
- 2018     Collaborative Institutional Training Initiative – Social and Behavioral Responsible Conduct of Research/Conflicts of Interest/Social & Behavioral Research – Basic/Refresher courses Certificate. Jul. 2018. Online.
- 2018     Visited Interhack Inc. to learn the infrastructure of Digital Forensics lab. Columbus, OH. Mar. 6, 2018.
- 2018     Attended SIGCSE POGIL activity workshop, along with SIGCSE 2018. Baltimore, MD. Feb. 23, 2018.
- 2018     Attended Active Learning Classroom Strategies Workshop. BGSU, Jan. 23, 2018.
- 2017     Attended the search committee training by College of A&S Diversity Committee. BGSU. Nov. 14, 2017.
- 2017     Attended the 5<sup>th</sup> Annual Standards Education Workshop. National Institute of Standards and Technology, Gaithersburg, MD. Nov. 2-3, 2017.
- 2017     Attended 2017 Cyber Security R&D Showcase & Technical Workshop. Washington, D.C., Jul. 11 - 13, 2017.
- 2017     Attended 38<sup>th</sup> IEEE Symposium on Security and Privacy & Workshops. San Jose, CA, May 22 - 25, 2017.

- 2016 Attended Fall 2016 National Science Foundation (NSF) Grants Conference in Pittsburgh, PA on Nov. 14-15, 2016.
- 2016 Attended Northwest Ohio HERC Cluster Meeting: Broadening the Diversity Conversation. BGSU, Oct. 13, 2016.
- 2016 Visited Interhack Corporation and learned their business model and forensics technology. Columbus, OH, Aug. 18, 2016.
- 2016 Took Nationwide IRM (Information Risk Management) courses 101 - 106. Columbus, OH, Jun. 15 - 16, 2016.
- 2016 Visited Security Command Center and learned the operations and technology. Columbus, OH, Jan. 29, 2016.
- 2016 Attended the CRA's Career Mentoring Workshop and visited NSF. Arlington, VA, Feb. 22 - 23, 2016.
- 2015 Attended Webcast: Agile Methods: The Good, the Hype and the Ugly. Feb. 18, 2015.
- 2015 Attended CRA-W Managing the Academic Career for Women Faculty in Undergraduate Computing Programs Workshop with SIGSCE 2015, Kansas City, MO. Mar. 4 - 7, 2015.
- 2014-15 Participated the New Faculty Learning Community meetings and learned from different speakers about various aspects of working as a faculty.
- 2015 Participated Bowling Green State University College of Arts and Sciences Faculty Mentoring Program and two senior faculty members (one external, one internal) were assigned to me as mentors. We met several times during Spring semester to discuss the ways to improve my qualification as a faculty member from Teaching, Research and Service.

## **VII. Academic Advising**

- 2015-present Serve as Faculty Advisor for CS undergraduate students (averagely there are about 150 Computer Science Undergraduate students as my advisee).

## **VIII. Research Interests**

- **Software Assurance**
- **Software Engineering**
- **Data Mining**

## **IX. Research Projects and Grants**

### **A. Grants Under Review**

### **B. Funded Grants**

- 2020 Spectare Systems, Inc. Service Agreement. "Software Error Analysis Methodology". Awarded August 2020, \$62,483.

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- 2020 SEA Change Ventures: Improving Instruction & Enhancing Student Success in STEM Disciplines, "Redesigning the First-Year Computer Science Programming Course with Emporium Model of Teaching". Joined with Dr. Joseph Chao, awarded December 2019. \$9999.25.
- 2018 SEA Change Ventures: Improving Instruction & Enhancing Student Success in STEM Disciplines, "Enhancing Student Engagement with Cybersecurity POGIL Activities". **PI**, joined with Dr. Ruinian Li, awarded in December 2018. \$12,205.90.
- 2018 Faculty Development Committee Speed Grant to support attending SIGCSE 2018 at Baltimore, Maryland. \$400.
- 2017 NIST Standards Services Curricula Development (SSCD) Cooperative Agreement Program, "Incorporating Standards Education into Digital Forensics Curricula". **PI**, joined with Dr. Sankardas Roy, awarded in September 2017. \$56,336.
- 2016 Faculty Development and Instructional Improvement (FD&II) Grant to support attending 38<sup>th</sup> IEEE Symposium on Security and Privacy & Workshops at San Jose, CA. \$1,267.
- 2015 Faculty Development Funds by College of Arts & Sciences to support attending the CRA's Career Mentoring Workshop at Arlington, VA. \$500
- 2015 CRA-W Managing the Academic Career for Women Faculty in Undergraduate Computing Programs Workshop Travel Fund. \$500.
- 2014 "David and Amy Fulton Endowed Professorship in Computer Science" awarded by Department of Computer Science in BGSU at November, 2014. \$10,000.

### C. Unfunded Grants

- 2017 NIST Summer Undergraduate Research Fellowship (SRUF) (\$9,500), submitted in February 2017 (rejected).
- 2016 NSF Computer and Information Science and Engineering (CISE) Research Initiation Initiative (CRII) (\$167,097), " CRII: CSR: Source Code Complexity Impact on Code Analysis Tool (SCCINCT)", submitted in August 2016 (rejected).

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- 2016 NIST Standards Services Curricula Development (SSCD) Cooperative Agreement Program (\$53,605), "Incorporating Standards Education into Digital Forensics Curricula". **PI**, joined with Dr. Sankardas Roy, submitted in April 2016.
  - 2015 DARPA XD3 BAA-15-56 (\$1,110,105), "Flexible Asset Secure Termination (FAST) Offensive/Defensive for Distributed Denial of Service (ODDDS)". Joined with Keesha M. Crosby and Dr. Yu Sun, submitted in October 2015.
  - 2015 NSF SBIR Grant proposal (\$25,000), "Enabling IoT FAST-Crash Property for Devices". Joined with Keesha M. Crosby and Dr. Yu Sun, submitted in June 2015.
  - 2014 NSF IUSE: HER-Engaged Student Learning: Exploration (\$250,000), "Supporting CS-focused STEM Education via Active Learning, Mentoring, and Scholarships". Joined with Dr. Jake Lee, Dr. Robert Green, Rachelle Hippler and Carol Buser, submitted in October 2014.

## X. Publications

### A. Journal Articles:

- 2018 Wang, J., **Wu, Y.** A Back Propagation Neural Network Intrusion Detection System Based on KVM. *International Journal of Innovation Engineering and Science Research*, vol. 2 issue 4, July 2018.
- 2018 Roy, S., **Wu, Y.** Cognitive Game Theory Models for Cyber Security. *Journal of Industrial Information Technology and Application. JIITA*, vol. 2, no. 1, pp11-16, Mar, 2018. DOI: 10.22664/ISITA.2018.2.1.11. <http://jiita.org/v2n103/>.
- 2016 Zhang, C., **Wu, Y.** A Flowchart for Rapid Technical Debt Management Decision Making. *Journal of Software*, Vol. 11, No. 2, February 2016.
- 2015 **Wu, Y.**, Yesha, Y., Bojanova, I. They Know Your Weaknesses – Do You? : Reintroducing Common Weakness Enumeration. *CrossTalk, The Journal of Defense Software Engineering*, Sept/Oct issue 2015, Vol. 29 No. 3, pp. 19-24.
- 2013 **Wu, Y.**, Gandhi, R. A., Siy, H. Semi-automatic Annotation of Natural Language Vulnerability Reports. *International Journal of Secure Software Engineering (IJSSE)*, Vol. 4 No. 3, pp. 18-41, 2013. **(Won the Sixth Annual Excellence in Research Journal Awards - outstanding article for 2013)**
- 2010 Gandhi, R.A., Siy, H., **Wu, Y.** Studying Software Vulnerabilities, *CrossTalk, The Journal of Defense Software Engineering*, Sept/Oct issue, Vol. 23 No. 5, pp. 16-20, 2010.



- 2005 Chen, W., Chen, Y., **Wu, Y.** New search engine ranking algorithm based on categorization — CategoryRank, *Computer Applications*, Vol. 25 No. 5, May 2005.

#### B. Conference Papers:

- 2020 Adhikari, T. M. and **Wu, Y.** Classifying Software Vulnerabilities by Using the Bugs Framework. *8th International Symposium on Digital Forensic and Security (ISDFS 2020)*, Beirut, Lebanon (online). June. 1-2, 2020.
- 2020 Adhikari, T. M., Liska, H., Sun, Z., & **Wu, Y.** (2020). A Review of Deep Learning Techniques Applied in Lung Cancer Diagnosis. In *Signal and Information Processing, Networking and Computers* (pp. 800-807). Springer, Singapore.
- 2019 Roy, S., **Wu, Y.** and LaVenía, K. Experience of Incorporating NIST Standards in a Digital Forensics Curricula. *7th International Symposium on Digital Forensic and Security (ISDFS 2019)*, Barcelos Portugal. Jun. 10 - 12, 2019.
- 2019 Bojanova, I., Yesha, Y., Black, P. E., and **Wu, Y.** Information Exposure (IEX): A New Class in the Bugs Framework (BF). *COMPSAC 2019: Data Driven Intelligence for a Smarter World*. Milwaukee, Wisconsin, USA. Jul. 15-19, 2019.
- 2019 Zhang, T., Yang, L. and **Wu, Y.** Evaluation of the Multifactor Authentication Technique for Mobile Applications. Computing Conference 2019, London, United Kingdom. July 16 - 17, 2019.
- 2018 Arafat, M., Jain, A. and **Wu, Y.** Analysis of Intrusion Detection Dataset NSL-KDD using KNIME Analytics. *13<sup>th</sup> International Conference on Cyber Warfare and Security (ICCWS'18)*, Washington DC. March 8 - 9, 2018.
- 2016 Bojanova, I., Black, P. E., Yesha, Y., **Wu, Y.** The Bugs Framework (BF): A Structured Approach to Express Bugs. *The 2016 IEEE International Conference on Software Quality, Reliability & Security (QRS 2016)*, Vienna, Austria. August 1 - 3, 2016.
- 2016 **Wu, Y.**, Boland F. T. Categorizing Code Complexities in Support of Analysis. *11<sup>th</sup> International Conference on Cyber Warfare and Security (ICCWS 2016)*, Boston, USA. March 17 - 18, 2016.
- 2016 Charest, T. C., Rodgers, N. and **Wu, Y.** Comparison of Static Analysis Tools for Java Using the Juliet Test Suite. *11<sup>th</sup> International Conference on Cyber Warfare and Security (ICCWS 2016)*, Boston, USA. March 17 - 18, 2016.
- 2014 **Wu, Y.**, Bojanova, I., Yesha, Y. Reconstruction of Common Weakness Enumeration. *The 26th Annual IEEE Software Technology Conference (STC 2014)*, Long Beach, California, March 29 - April 3, 2014.



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- 2013 Gandhi, R. A., Siy, H. and **Wu, Y.**, Lightweight Formal Models of Software Weaknesses. *FormaliSE2013 at the 35th International Conference on Software Engineering (ICSE 2013)*, San Francisco, United States. May 18-26 2013.
  - 2011 **Wu, Y.**, Siy, H. and Gandhi, R.A, New Ideas and Emerging Results Track: Empirical Results on the Study of Software Vulnerabilities. *New Ideas and Emerging Results Track at the 33rd International Conference on Software Engineering (ICSE 2011)*, Honolulu, Hawaii. May 21-28, 2011.
  - 2010 **Wu, Y.**, Gandhi, R.A, and Siy, H., Using Semantic Templates to Study Vulnerabilities Recorded in Large Software Repositories. *Proc. of the 6th International Workshop on Software Engineering for Secure Systems (SESS'10) at the 32nd International Conference on Software Engineering (ICSE 2010)*, South Africa, Cape Town. May 2-8, 2010.
  - 2009 Siy, H., **Wu, Y.** An Ontology to Support Empirical Studies in Software Engineering. *2009 International Conference on Computing, Engineering and Information (ICC2009)*, Fullerton, United States, April 2-4, 2009.
  - 2008 **Wu, Y.**, Siy, H., Fan, L. Discovering Meaningful Clusters from Mining Software Engineering Literature. *The Twentieth International Conference on Software Engineering and Knowledge Engineering (SEKE '08)*, Redwood City, United States, July 2008.
  - 2007 **Wu, Y.**, Wang, Z. Using 2-interactive Measures in Nonlinear Classifications. *26th Annual Conference of the North American Fuzzy Information Processing Society (NAFIPS'07)*, San Diego, United States, June 2007.
  - 2007 **Wu, Y.**, Siy, H., Zand, M., Winter, V. Construction of Ontology-Based Software Repositories by Text Mining. *International Conference on Computational Science 2007*, Beijing, China, May 2007.
  - 2006 **Wu, Y.**, Zand, M., Siy, H., Winter, V. Systematic text-mining approach for deriving aspects and patterns from domain knowledge. *The 28th International Conference on Software Engineering*, Shanghai, China, May 2006.

#### C. Posters:

- 2019 Bojanova, I., Yesha, Y., Black, P. E., **Wu, Y.** Information Exposure (IEX) Class in the Bugs Framework (BF). *The sixth annual High Confidence Software and Systems Conference (HCSS 2016)*, Annapolis, MD, Apr. 29- May 1, 2019.
- 2016 Bojanova, I., Black, P. E., Yesha, Y., **Wu, Y.** The Bugs Framework (BF). *Safe and Secure Systems and Software Symposium (S5)*. Dayton, OH. July 12 - 14, 2016.

- 2016 Black, P. E., Bojanova, I., Yesha, Y., **Wu, Y.** Toward a Precise and Accurate Basis of Measurements. *The sixth annual High Confidence Software and Systems Conference (HCSS 2016)*, Annapolis, MD, May 10-12, 2016.
- 2016 Bojanova, I., Black, P. E., Yesha, Y., **Wu, Y.** The Bugs Framework (BF): a Structured, Integrated Framework to Express Software Bugs. *Cybersecurity Symposium 2016: Your Focus, Your Future*. Coeur d'Alene, ID. April 18 - 20, 2016.
- 2015 Black, P. E., Bojanova, I., Yesha, Y., **Wu, Y.** Towards a "Periodic Table" of Bugs. *The fifth annual High Confidence Software and Systems Conference (HCSS 2015)*, Annapolis, MD, May 5-7, 2015.

#### D. Extended Abstract:

- 2018 Roy, S., **Wu, Y.** Cognitive Game Theory Models for Cyber Security. *International Symposium on Innovation in Information Technology and Application (ISIITA 2018)*, Kota Kinabalu, Malaysia. January 30 – February 2, 2018.

## XII. Service

### A. Department

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|----------------|---|
| 2019 - 2020    | ACM Advisor   |
| 2018 - Present | Member of Executive Committee   |
| 2015           | Member of Digital Forensics Specialization Ad Hoc Committee   |
| 2015 and 2016  | Member of Computer Science Department Chair Succession Ad Hoc Committee   |
| 2015 - Present | Course Coordinator for CS 1000, CS 3140 and CS 3540   |
| 2015 - Present | Faculty Mentor for CS undergraduate students  |
| 2015 - 2018    | Preview Day & President's Day   |
| 2014 - 2018    | Serve as Search Committee member for 2014 - 2015 (Security), 2015 - 2016 (Software Engineering), 2016 - 2017 (Software Engineering Senior Endowed position, plus a Software Engineering Junior Faculty) new faculty search, 2017 - 2018 (Cybersecurity & Digital Forensics) new faculty search. |
| 2014 - Present | Member of Computer Science Advisory Board (CSAB)  |
| 2014 - 2017    | Library Liaison of CS department  |

### B. College

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| 2020 – Present | Serve as a member of Arts & Sciences Curriculum, Learning, and Teaching Committee (CTLTC) |
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2017 - 2020	Serve as a member of Arts & Sciences Diversity and Inclusion Committee
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**C. University**

2018 - 2019	Serve as a member of Com/Com
2018 - Present	Serve as Faculty Senate
2017	Serve as a member of Textbook Affordability Committee
2016 - Present	Serve as Faculty Advisor for Chinese Outreach Fellowship
2016 - Present	Serve as a Graduate Faculty Representative
2016 - Present	Serve as Faculty Advisor for Chinese Outreach Fellowship
2015 - 2016	Serve as a member of University Academic Honesty Committee <ul style="list-style-type: none"> <li>▪ Review and vote for Academic Honesty cases to decide whether a hearing shall be rendered to the students who appealed</li> </ul>

**C. Professional**

2020	Technical Committee, 2020 European Symposium on Software Engineering (ESSE 2020, <a href="http://esse.org/index.html">http://esse.org/index.html</a> )
2020	Technical Committee, 2020 3rd International Conference on Computer Science and Software Engineering (CSSE 2020, <a href="http://www.csse2020.net/">http://www.csse2020.net/</a> )
2020	Technical Committee, 2020 IEEE 6 <sup>th</sup> International Conference on Computer and Communications (ICCC 2020, <a href="http://www.iccc.org/">http://www.iccc.org/</a> )
2019	Technical Committee, 2019 IEEE 5 <sup>th</sup> International Conference on Computer and Communications (ICCC 2019, <a href="http://www.iccc.org/">http://www.iccc.org/</a> )
2019	Technical Committee, 2019 4 <sup>th</sup> International Conference on Communication and Information Systems (ICCIS 2019)
2018	Technical Committee, 2018 IEEE 3 <sup>rd</sup> International Conference on Communication and Information Systems (ICCIS 2018)
2018	Technical Committee, 10 <sup>th</sup> International Conference on Information Management and Engineering (ICIME 2018)
2017	Program Committee, the 28th IEEE Software Technology Conference (STC 2017)

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2015	Program Committee, the 2nd International Conference on Knowledge and Software Engineering (ICKSE 2015)
2015	Program Committee and Session Chair, the Midstates Conference for Undergraduate Research in Computer Science and Mathematics (MCURCSM'15)
2015	Program Committee, IEEE Region 10 Technical Symposium (TENSYP)
2014	Program Committee, the 6 <sup>th</sup> International Symposium on Cyberspace Safety and Security (CSS 2014)
2013	Program Committee, 2013 Winter International Conference of Communications and Networks (WICCN2013)
2014-Present	Editorial Board Member of International Journal of Communications (IJC)

### PAPER REVIEW

Review papers for 2020 3rd International Conference on Computer Science and Software Engineering (CSSE 2020)

Review papers for 2018 IEEE 3<sup>rd</sup> International Conference on Communication and Information Systems (ICCIS 2018).

Review papers for 10<sup>th</sup> International Conference on Information Management and Engineering (ICIME 2018).

Review papers for *ACM Special Interest Group on Computer Science Education Conference 2015*, Kansas City, Missouri, March 2015.

Review papers for CrossTalk: The Journal of Defense Software Engineering since 2014.

Review papers for IEEE Software Technology Conference (STC) 2014.

Review papers for Annals of Operations Research (ANOR) since 2013.

Review papers for the journal of Security and Communication Networks since 2012.

Review papers for *International Journal of Information Technology & Decision Making* since 2012.

Review papers for *KSII Transactions on Internet and Information Systems* since 2012.

Review papers for *International Conference on Computational Science 2007*, Beijing, China, May 2007.