

Mihaela Sabin
Applied Engineering and Sciences Department
University of New Hampshire
(603) 641-4144
mihaela.sabin@unh.edu

Education

- Ph.D. in Computer Science, University of New Hampshire, 2003
Dissertation Title: Towards More Efficient Solution of Conditional Constraint Satisfaction Problems
- M.S.T. in College Teaching, University of New Hampshire, 2003
- M.S. in Computer Science, Politehnica University of Bucharest, Romania
 - Dissertation Title: Automatic generation of code generators
- B.S. in Computer Science, Politehnica University of Bucharest, Romania

Academic Positions

Professor, University of New Hampshire, Manchester, NH (August 2019 – Present)
Associate Professor, University of New Hampshire, Manchester, NH (June 2009 - 2019)
Assistant Professor, University of New Hampshire, Manchester, NH (August 2007 - June 2009)
Associate Professor, Rivier University, Nashua, NH (2003 – 2007)
Assistant Professor, Rivier University, Nashua, NH (1999 – 2003)

This CV presents teaching, scholarship, and service activities since 2009.

TEACHING

CIS 415, Mobile Computing First and for Most
CIS 425, Introduction to Programming
CIS 505, Advanced Web Authoring
CIS 520, Database Design & Development
CIS 605, Web Applications Development
CIS 610, System Analysis and Design
CIS 650, System Implementation with Database Management Systems
CIS 685, Professional Development Seminar
CIS 690, Internship Experience
CIS 705, Web Application Development
CIS 710, Object-Oriented Software Development
CIS 805, Web Application Development (graduate course)
CIS 810, Object Oriented Software Development
COMP 415, Mobile Computing First and for Most
COMP 424 Applied Computing 1: Foundations of Programming
COMP 505, Advanced Web Authoring
COMP 525, Data Structures Fundamentals
COMP 698, Topics: Data Structures Fundamentals
COMP 705, Full Stack Development
COMP 805, Full Stack Development (graduate course)
COMP 890, Internship
COMP 898, Master's Project
COMP 899, Master's Thesis

Awards and Honors

- Faculty Excellence in Research and Scholarship Award, UNH Manchester (April 2019)
- Tech Educator of the Year Award, New Hampshire High Tech Council (April 2017)
- Outstanding Paper Award, Society for Information Technology and Teacher Education Conference. (2016)
- Arthur K. Whitcomb Professorship, University of New Hampshire (July 2012 - June 2015)
- Presidents' Good Steward Award, Campus Compact for New Hampshire. (April 2010).
- Best Paper Award, ACM SIGITE. (October 2009)

PUBLICATIONS

Books and Book Chapters

- 1 Markus Geissler, Dana Brown, Norma McKenzie, Svetlana Peltzverger, Tim Preuss, **Mihaela Sabin**, and Cara Tang. 2020. *Information Technology Transfer Curricula 2020: Curriculum Guidelines for Two-Year Transfer Programs in Information Technology*. Association for Computing Machinery, New York, NY, USA.
- 2 Task Group on Information Technology Curricula. 2017. "Information Technology Curricula 2017: Curriculum Guidelines for Baccalaureate Degree Programs." **Mihaela Sabin** (Chair), ACM, New York, NY, USA, ISB 978-1-4503-6416-4. DOI: 10.1145/3173161. Retrieved <https://it2017.acm.org>.
- 3 **Sabin**, Mihaela, Paul Snow, and John Impagliazzo. (2016). "Towards the Internationalization of Curriculum Guidelines for Undergraduate IT Degree Programs." In Leping Liu and David Gibson (Eds.), *Research Highlights in Technology and Teacher Education* (pp. 21–28). ISBN 978-1-9397-9726-1. Society for Information Technology and Teacher Education
- 4 MacKellar, Bonnie, K., Mihaela **Sabin**, and Allen B. Tucker. (2014). "Bridging the Academia-Industry Gap in Software Engineering: A Client-Oriented Open Source Software Projects Course." In Liguoy Yu (Ed.), *Overcoming Challenges in Software Engineering Education: Delivering Non-Technical Knowledge and Skills*. IGI Global. 373-306. DOI:10.4018/978-1-4666-5800-4

Refereed Articles

Journal Articles

1. **Sabin, Mihaela**. 2019. Open Peer Commentary: De-Constructionism - An Effective Premise to Constructionist Learning. *Constructivist Foundations* 14(3): 244-245.
2. **Sabin, Mihaela**, Rosabel Deloge, Adrienne Smith, and Wendy DuBow. 2017. "Summer Learning Experience for Girls in Grades 7–9 Boosts Confidence and Interest in Computing Careers." *Journal of Computing Sciences in Colleges* 32 (6): 79–87.
3. **Sabin, Mihaela**, Paul Snow, and Barbara Viola. 2016. "Industry and Faculty Surveys Call for Increased Collaboration to Prepare Information Technology Graduates." *Journal of Computing Sciences in Colleges* 31 (6): 70–78.
4. **Sabin, Mihaela**, Paul Snow, and Mary Lturnau. 2015. "Evaluation of a Computing and Engineering Outreach Program for Girls in Grades 8–10." *Journal of Computing Sciences in Colleges* 30 (6): 119–126.
5. French, Charlie, Julie E Williams, Judy Tang, Eleanor Abrams, Lisa Townson, **Mihaela Sabin**, Lorilee R Sandmann, and Cameron P Wake. 2013. "The University of New Hampshire Engaged Scholars Academy: Instilling in Faculty Principles of Effective Partnership." *Journal of Public Scholarship in Higher Education*.
6. MacKellar, Bonnie K, **Mihaela Sabin**, and Allen Tucker. 2013. "Scaling a Framework for Client-Driven Open Source Software Projects: A Report from Three Schools." *Journal of Computing Sciences in Colleges* 28 (6): 140–147.

7. **Sabin, Mihaela.** 2010. "Assessing Collaborative and Experiential Learning." *Journal of Computing Sciences in Colleges* 25 (6): 26–33.

Conference Proceedings Articles

1. **Mihaela Sabin**, Karen Jin, and Adrienne Smith. 2021. Oral Exams in Shift to Remote Learning. In *Proceedings of the 52nd ACM Technical Symposium on Computer Science Education (SIGCSE'21)*. Association for Computing Machinery, New York, NY, USA. DOI: <https://doi.org/10.1145/3408877.3432511>.
2. **Mihaela Sabin**, Stuart Zweben, Barry Lunt, and Rajendra K. Raj. 2020. Evaluating Student Participation in Undergraduate Information Technology Programs in the U.S. In *Proceedings of the 21st Annual Conference on Information Technology Education (SIGITE '20)*. Association for Computing Machinery, New York, NY, USA, 93–99. <https://doi.org/10.1145/3368308.3415396>
3. Markus Geissler, **Mihaela Sabin**, and Cara Tang. 2020. Implementing the IT-Transfer2020 Curriculum Guidance for Two-Year IT Transfer Programs. In *Proceedings of the 21st Annual Conference on Information Technology Education (SIGITE '20)*. Association for Computing Machinery, New York, NY, USA, 158–161. DOI:<https://doi.org/10.1145/3368308.3415383>
4. **Mihaela Sabin**, & DuBow, Wendy, & Smith, A. Adrienne, & Deloge, Rosabel. 2019. Changing Perceptions of Who Can Code: A Professional Development Program for Career and Technical Education Teachers. In the *Proceedings of the 2019 CoNECD - The Collaborative Network for Engineering and Computing Diversity*. ASEE Conferences. <https://peer.asee.org/31748>
5. Sacristan, Ana Isabel, Lina Kaminsiene, Lina, **Mihaela Sabin**, and Richard Akrofi Kwabena Baafi. 2018. Working Group 7: Constructionism in upper secondary and tertiary levels. In Valentina Diagene and Egle Jasute (Eds.), *Proceedings of the Constructionism 2018 Conference*. 932 - 946. ISBN 978-609-95760-1-5. Retrieved from http://www.constructionism2018.fsf.vu.lt/file/repository/Proceedings_Constr2018.pdf
6. Stephen Frezza, Mats Daniels, Arnold Pears, Åsa Cajander, Viggo Kann, Amanpreet Kapoor, Roger McDermott, Anne-Kathrin Peters, **Mihaela Sabin**, and Charles Wallace. 2018. Modelling competencies for computing education beyond 2020: A research-based approach to defining competencies in the computing disciplines. In *Proceedings Companion of the 23rd Annual ACM Conference on Innovation and Technology in Computer Science Education (ITiCSE 2018 Companion)*. Association for Computing Machinery, New York, NY, USA, 148–174. DOI:<https://doi.org/10.1145/3293881.3295782>
7. Stephen Frezza, Arnold Pears, Mats Daniels, Viggo Kann, Amanpreet Kapoor, Roger McDermott, Anne-Kathrin Peters, Charles Wallace, **Mihaela Sabin**, and Åsa Cajander. 2018. Modeling global competencies for computing education. In *Proceedings of the 23rd Annual ACM Conference on Innovation and Technology in Computer Science Education (ITiCSE 2018)*. Association for Computing Machinery, New York, NY, USA, 348–349. DOI:<https://doi.org/10.1145/3197091.3205844>
8. **Mihaela Sabin**, Hala Alrumaih, and John Impagliazzo. 2018. "A Competency-Based Approach toward Curricular Guidelines for Information Technology Education." In *2018 IEEE Global Engineering Education Conference*. Santa Cruz de Tenerife, Spain, pp. 1214-1221, doi: 10.1109/EDUCON.2018.8363368
9. **Mihaela Sabin**, Paul Snow, Simon, John Impagliazzo, Alison Clear, and Yan Timanovsky. 2018. "Representative Names of Computing Degree Programs Worldwide." In *ACE 2018: 20th Australasian Computing Education Conference*. Brisbane, QLD, Australia: ACM, New York, NY, USA. <https://doi.org/10.1145/3160489.3160501>.
10. Alrumaih, Hala, **Mihaela Sabin**, and John Impagliazzo. 2018. "An Overview of the New ACM/IEEE Information Technology Curricular Framework." In *2018 IEEE World Engineering*

Education Conference (EDUNINE). Buenos Aires, Argentina, p. 1-6, doi: 10.1109/EDUNINE.2018.8450997

11. LeBlanc, Christopher, **Mihaela Sabin**, Christopher Dundorf. 2017. "An Engineering Technology Capstone Project: The Snow Load Network." In *2017 ASEE Annual Conference & Exposition*. Columbus, Ohio: ASEE Conferences.
12. Impagliazzo, John, **Mihaela Sabin**, Hala Alrumaih, and Barbara Viola. 2016. "An Information Technology Competency Model and Curriculum." In *2016 IEEE Global Engineering Education Conference (EDUCON)*, 892–895. Abu Dhabi, United Arab Emirates. doi: 10.1109/EDUCON.2016.7474657.
13. **Mihaela Sabin**, Paul Snow, and John Impagliazzo. 2016. "Towards the Internationalization of Curriculum Guidelines for Undergraduate IT Degree Programs (**Outstanding Paper Award**).” In *Society for Information Technology & Teacher Education International Conference*, 1126–1133. Savannah, Georgia: Association for the Advancement of Computing in Education (AACE).
14. **Mihaela Sabin**, Barbara Viola, John Impagliazzo, Renzo Angles, Mariela Curiel, Paul Leger, Jorge Murillo, Hernán Nina, José Antonio Pow-Sang, and Ignacio Trejos. 2016. "Latin American Perspectives to Internationalize Undergraduate Information Technology Education." In *Proceedings of the 2016 Innovation and Technology in Computer Science Education (ITiCSE'16), Working Group Reports*, 1–22. ACM.
15. **Mihaela Sabin**, John Impagliazzo, Hala Alrumaih, Brenda Byers, Daina Gudoniene, Margaret Hamilton, Vsevolod Kotlyarov, et al. 2015. "Multinational Perspectives on Information Technology from Academia and Industry." In *Proceedings of the 2015 Innovation and Technology in Computer Science Education (ITiCSE'15), Working Group Reports*, 149–171. ACM.
16. **Mihaela Sabin**, Wendy DuBow, and Adrienne Smith. 2015. "Computing Summer Camp to Pave the Way to Rigorous and Engaging Computer Science Education in Career and Technical Education Centers." In *Society for Information Technology & Teacher Education International Conference*, 1725–1731. Las Vegas, Nevada: Association for the Advancement of Computing in Education (AACE).
17. Meehan, David (*undergraduate student*), and **Mihaela Sabin**. 2013. "QuizPower: A Mobile App with App Inventor and XAMPP Service Integration." In *Proceedings of the 14th Annual ACM SIGITE Conference on Information Technology Education*, 103–108. New York, NY, USA: ACM. <https://doi.org/10.1145/2512276.2512300>.
18. **Mihaela Sabin**. 2011. "Free and Open Source Software Development of IT Systems." In *Proceedings of the 2011 Conference on Information Technology Education*, 27–32. New York, NY, USA: ACM. <https://doi.org/10.1145/2047594.2047601>.
19. **Mihaela Sabin** and Jim Leone. 2009. "IT Education 2.0 (**Best Paper Award**).” In *Proceedings of the 10th ACM Conference on SIG-Information Technology Education*, 91–99. ACM.

Other Refereed Journal, Magazine, and Conference Articles: Birds of a Feather, Poster, Panel, and Workshop Abstracts

1. **Mihaela Sabin**, Kevin Buffardi, Simon Larsén, and Bonnie MacKellar. 2020. Panel: Synergistic Perspectives on Collaborative Learning with Version Control Tools. *2020 IEEE Frontiers in Education Conference (FIE)*, Uppsala, Sweden, p. 1-4, doi: 10.1109/FIE44824.2020.9273944
2. Jim Leone, Sandra Gorka, Scott Murray, and **Mihaela Sabin**. 2020. New ABET Information Technology Program Criteria: The 5 W's Questions. In *Proceedings of the 21st Annual Conference on Information Technology Education (SIGITE '20)*. Association for Computing Machinery, New York, NY, USA, 356–357. DOI:<https://doi.org/10.1145/3368308.3415424>
3. Gregory W. Hislop, Heidi J.C. Ellis, **Mihaela Sabin**, and Sandra Gorka. 2019. Panel: Transfer Students. In *Proceedings of the 20th Annual SIG Conference on Information Technology Education (SIGITE '19)*. Association for Computing Machinery, New York, NY, USA, 175–176.

DOI:<https://doi.org/10.1145/3349266.3351394>

4. Karen H. Jin, Howard Eglowstein, and **Mihaela Sabin**. 2018. Using Physical Computing Projects in Teaching Introductory Programming. In *Proceedings of the 19th Annual SIG Conference on Information Technology Education (SIGITE '18)*. Association for Computing Machinery, New York, NY, USA, 155. DOI:<https://doi.org/10.1145/3241815.3241879>
5. Scott Murray, Sandra Gorka, Becky Rutherford, and **Mihaela Sabin**. 2018. Revising the ABET Information Technology Criteria to Reflect the IT 2017 Curriculum Guidelines. In *Proceedings of the 19th Annual SIG Conference on Information Technology Education (SIGITE '18)*. Association for Computing Machinery, New York, NY, USA, 184–185. DOI:
<https://doi.org/10.1145/3241815.3241843>
6. **Mihaela Sabin**. 2018. “Implementing a Competency-Based Information Technology Curriculum: Challenges and Opportunities (**Poster Abstract**).” In *ITiCSE '18: Innovation and Technology in Computer Science Education Proceedings*. Larnaca, Cyprus: ACM.
<https://doi.org/10.1145/3197091.3205808>.
7. **Mihaela Sabin**, Wendy DuBow, Adrienne Smith, and Rosabel Deloge. 2018. “Creative Computing Challenge: A Teacher Professional Development to Enhance Non-Computing Career and Technical Education Curriculum with Engaging Computational Practices for All Students (**Poster Abstract**).” *2018 Research on Equity and Sustained Participation in Engineering, Computing, and Technology (RESPECT)*, Baltimore, MD, doi:
10.1109/RESPECT.2018.8491714.
8. **Mihaela Sabin**, John Impagliazzo, Hala Alrumaih, Cara Tang, and Ming Zhang. 2018. “IT2017 Report: Implementing A Competency-Based Information Technology Program (**Panel Abstract**).” In *SIGCSE '18: The 49th ACM Technical Symposium on Computing Science Education Proceedings*. Baltimore, MD, USA: ACM, New York, NY, USA.
9. **Mihaela Sabin**, Svetlana Pletsverger, Bill Paterson, Ming Zhang, and Hala Alrumaih. “IT2017 Report: Putting It to Work (**Panel Abstract**).” 2017. In *Proceedings of the 18th Annual Conference on Information Technology Education, SIGITE'17*, 133-134. Rochester, NY: ACM.
10. Raj, Rajendra, K., Jim Leone, Allen Parrish, and **Mihaela Sabin**. “Rebooting Information Technology Programs” (**Panel Abstract**). In *Proceedings of the 18th Annual Conference on Information Technology Education, SIGITE'17*, 95-96. Rochester, NY: ACM.
11. Impagliazzo, John, Ernesto Cuadros-Vargas, Gonzalo Begazo Escobedo, Juan José Miranda del Solar, **Mihaela Sabin**, and Barbara Viola. 2016. “Latin American Perspectives and the IT2017 Curricular Guidelines (**Panel Abstract**).” In *Proceedings of the 2016 ACM Conference on Innovation and Technology in Computer Science Education*, 166–167. ITiCSE'16. Arequipa, Peru: ACM.
12. Russell, Ingrid, Karen H Jin, and **Mihaela Sabin**. 2016. “Make and Learn: A CS Principles Course Based on the Arduino Platform (**Poster Abstract**).” In *Proceedings of the 2016 ACM Conference on Innovation and Technology in Computer Science Education*, 366–366. ITiCSE'16. Arequipa, Peru: ACM.
13. **Mihaela Sabin**, Svetlana Peltserverger, Cara Tang, and Barry M. Lunt. 2016. “ACM/IEEE-CS Information Technology Curriculum 2017: A Status Update (2016, **Panel Abstract**).” In *Proceedings of the 17th Annual Conference on Information Technology Education*, 102–103. SIGITE '16. New York, NY, USA: ACM. <https://doi.org/10.1145/2978192.2978241>.
14. MacKellar, Bonnie, Gregory Hislop, **Mihaela Sabin**, and Amber Settle. 2015. “Information Technology and Computer Science Programs: How Do We Relate? (**Panel Abstract**).” In *Proceedings of the 16th Annual Conference on Information Technology Education*, 125–126. SIGITE'15. Chicago, IL: ACM.
15. **Mihaela Sabin**, Hala Alrumaih, John Impagliazzo, Barry M Lunt, Cara Tang, and Ming Zhang. 2015. “ACM/IEEE-CS Information Technology Curriculum 2017: A Status Update (2015, **Panel Abstract**).” In *Proceedings of the 16th Annual Conference on Information Technology Education*, 75–76. SIGITE'15. Chicago, IL: ACM.

16. **Mihaela Sabin**, Svetlana Peltsverger, and Cara Tang. 2015. "Updating the ACM/IEEE 2008 Curriculum in Information Technology (*Birds-of-a-Feather Abstract*).” In *Proceedings of the 46th ACM Technical Symposium on Computer Science Education*, 695–695. SIGCSE '15. New York, NY, USA: ACM. <https://doi.org/10.1145/2676723.2691857>.
17. Jonas, Michael and **Mihaela Sabin**. 2015. Computational thinking in Greenfoot: AI game strategies for CS1 (*Workshop Abstract*). *Journal of Computing Sciences in Colleges*, 30(6), 8–10.
18. **Mihaela Sabin**, Deborah LaBelle, Hiranya Mir, Karen Patten, Suzanne Poirier, and Seth Reichelson. 2013. "Girls in IT: How to Develop Talent and Leverage Support (*Panel Abstract*).” In *Proceedings of the 14th Annual ACM SIGITE Conference on Information Technology Education*, 61–62. SIGITE '13. New York, NY, USA: ACM. <https://doi.org/10.1145/2512276.2512310>.
19. **Mihaela Sabin**. 2012. Student-pull instead of instructor-push: In preparation for a student learning dashboard (*Poster Abstract*). *Journal of Computing Sciences in Colleges*, 27(6), 70–72.
20. **Mihaela Sabin**, Amber Settle, and Becky Rutherford. 2012. "Interactive Learning Online: Challenges and Opportunities (*Panel Abstract*).” In *Proceedings of the 13th Annual Conference on Information Technology Education*, 201–202. SIGITE '12. New York, NY, USA: ACM. <https://doi.org/10.1145/2380552.2380610>.
21. Jacobs, Stephen, Clif Kussmaul, and **Mihaela Sabin**. 2011. "Free and Open Source Software in Computing Education (*Panel Abstract*).” In *Proceedings of the 2011 Conference on Information Technology Education*, 41–42. SIGITE '11. New York, NY, USA: ACM. <https://doi.org/10.1145/2047594.2047606>.

PRESENTATIONS

- 1 Sabin Mihaela (Panel Moderator), "Panel: Synergistic Perspectives on Collaborative Learning with Version Control Tools,” *Frontiers in Education*, October 2020
- 2 Sabin Mihaela (Paper Presenter), "Evaluating Student Participation in Undergraduate Information Technology Programs in the U.S.,” SIGITE'20, October 2020
- 3 Sabin Mihaela (Panelist), "New ABET Information Technology Program Criteria: the 5 W's Questions,” SIGITE'20, October 2020
- 4 Sabin Mihaela (Panelist), "Panel: Transfer Students,” SIGITE'19, Tacoma, Washington, October 2019
- 5 Sabin Mihaela (Panelist), "Revising the ABET Information Technology Criteria to Reflect the IT2017 Curriculum Guidelines,” SIGITE'18, Fort Lauderdale, Florida, October 2018
- 6 Sabin Mihaela (Poster Presenter), "Using Physical Computing Projects in Teaching Introductory Programming,” SIGITE'18, Fort Lauderdale, Florida, October 2018
- 7 Sabin Mihaela (Poster Presenter), "Implementing a Competency-Based Information Technology Curriculum: Challenges and Opportunities,” ITiCSE'18, Larnaca, Cyprus, July 2018
- 8 Sabin, Mihaela (Paper Presenter), "A Competency-Based Approach toward Curricular Guidelines for Information Technology Education,” EDUCON'18, Santa Cruz de Tenerife, Spain, April 2018
- 9 Sabin, Mihaela (Panel Moderator), "IT2017 Report: Implementing A Competency-Based Information Technology Program,” SIGCSE'18, Baltimore, MD, February 2018
- 10 Sabin, Mihaela (Panel Moderator), "Revising the ABET Information Technology Program Accreditation Criteria,” Sister SIG Conferences Track, SIGCSE'18, Baltimore, MD, February 2018
- 11 Sabin, Mihaela (Panelist), "Rebooting Information Technology Programs,” SIGITE'17, Rochester NY, October 2017
- 12 Sabin, Mihaela (Panel Moderator), "IT2017 Report: Putting It to Work,” SIGITE'17, Rochester, NY, October 2017
- 13 Sabin, Mihaela (Panelist), "What's new with CS in NH and next steps”, CS4NH 2nd Annual Summit, Berlin, NH, September 30, 2017

- 14 Sabin, Mihaela (Paper Presenter), "Summer Learning Experience for Girls in Grades 7–9 Boosts Confidence and Interest in Computing Careers," CCSCNE'17, "Albany, NY, April 2017
- 15 Sabin, Mihaela (Panelist), "CS4NH Launch Day", CS4NH Inaugural Summit, Manchester, NH, November 2016
- 16 Sabin, Mihaela (Panel Moderator), "ACM/IEEE-CS Information Technology Curriculum 2017: A Status Update," SIGITE'16, Boston, MA, October 2016
- 17 Mihaela Sabin (Panelist), "Latin American Perspectives and the IT2017 Curricular Guidelines," ITiCSE'16, Arequipa, Peru, July 2016
- 18 Sabin, Mihaela (Poster Presenter), "Make and Learn: A CS Principles Course Based on the Arduino Platform," ITiCSE'16, Arequipa, Peru, July 2016
- 19 Sabin, Mihaela (Paper Presenter), "Industry and Faculty Surveys Call for Increased Collaboration to Prepare Information Technology Graduates," CCSCNE'16, Clinton, NY, April 2016
- 20 Sabin, Mihaela (Paper Presenter), "Computing Summer Camp to Pave the Way to Rigorous and Engaging Computer Science Education in Career and Technical Education Centers," SITE'16, Las Vegas, NE, March 2016
- 21 Sabin, Mihaela (Paper Presenter), "Evaluation of a Computing and Engineering Outreach Program for Girls in Grades 8–10," CCSCNE'15, Worcester, MA, April 2015
- 22 Sabin, Mihaela (Panelist), "Information Technology and Computer Science Programs: How Do We Relate? ", SIGITE'15, Chicago, IL, 2015
- 23 Sabin, Mihaela (Panel Moderator), SIGITE'15, "ACM/IEEE-CS Information Technology Curriculum 2017: A Status Update," Chicago, IL, October 2015
- 24 Sabin, Mihaela (Birds-of-a-Feather Facilitator), Svetlana Peltsverger, and Cara Tang, "Updating the ACM/IEEE 2008 Curriculum in Information Technology," SIGCSE'15, Kansas City, MO, March, 2015
- 25 Sabin, Mihaela (Panel Moderator), Deborah LaBelle, Hiranya Mir, Karen Patten, Suzanne Poirier, and Seth Reichelson. "Girls in IT: How to Develop Talent and Leverage Support," SIGITE'13, Orlando, Florida, October 2013
- 26 Sabin, Mihaela (Paper Presenter), "QuizPower: A Mobile App with App Inventor and XAMPP Service Integration," SIGITE'13, Orlando, Florida, October 2013
- 27 Sabin, Mihaela (Paper Presenter), "Scaling a Framework for Client-Driven Open Source Software," CCSCNE'13, Loudonville, NY, April 2013
- 28 Sabin, Mihaela (Panel Moderator), IEEE Computer Society NH Chapter, Seminar Series, "Gender Diversity in Computing and Engineering," NH Chapters of IEEE Computer Society, IEEE Women in Engineering/Graduates of the Last Decade (WIE-GOLD), and Society for Women Engineers, Manchester, NH, April 2013
- 29 Sabin, Mihaela, Girls Technology Day (Facilitator), "Inventing Apps for Android Phones," NH DOE, Concord, NH, March 2013
- 30 Sabin, Mihaela (Panel Moderator), "Interactive Learning: Challenges and Opportunities," SIGITE'12, Calgary, Canada, October 2012
- 31 Mettauer, P. T., Sabin, M. (Panelist), Troy, W. F., Small Business Week: Opportunity, Resources and Value, "Fostering Small Business and University Partnerships," Manchester Chamber of Commerce and others, Manchester, NH, May 23, 2012
- 32 Sabin, Mihaela, (Poster Presenter), "Student-Pull instead of Instructor-Push: In Preparation for a Student Learning Dashboard," SIGCSE'11, Hamden, CT, April 2012
- 33 Sabin, Mihaela, The 4th Annual Local Education Support Center Network Conference, "The gaming effect: Student learning with gaming in the mix," LESCEN, Meredith, NH, April 6, 2012
- 34 Sabin, Mihaela, Christa McAuliffe Technology Conference, "Computational Thinking with Games & Simulations Using Greenfoot," New Hampshire School Administrators Association (NHSAA) and New Hampshire Affiliate of the International Society for Technology in Education (NHSTE), Manchester, NH, December 2011
- 35 Sabin, Mihaela, (Paper Presenter), "Free and open source software development of IT systems,"

- SIGITE'11, West Point, NY, October 2011
- 36 Sabin, Mihaela (Panelist), "Open source software in computing education," SIGITE'11, West Point, NY, October 2011
 - 37 Sabin, Mihaela (Panelist), "University of New Hampshire Model of Engaged Scholarship: Defining a 21st Century Community-Engaged Research University," Engagement Scholarship Consortium (ESC), National Outreach Scholarship Conference (NOSC'12), East Lansing, MI, October 2011
 - 38 Sabin, Mihaela (Panelist), Collaborating with Local Non-Profits, "Towards Successful Client-Oriented HFOSS Projects," Humanitarian Free and Open Source Software (HFOSS) Symposium, jointly held with ACM SIGCSE 2011, Dallas, TX, March 2011
 - 39 Sabin, Mihaela (Birds of a Feather Facilitator) Technical Symposium on Computer Science Education (SIGCSE 2011), "A Neglected Pipeline? How Faculty Teach, Advise, and Mentor Transfer Students," SIGCSE, Dallas, TX, March 2011
 - 40 Sabin, Mihaela, (Panelist), Growing the HFOSS Community, "Community engagement across disciplines: OpneITWare, Students in Free Enterprise, and Community Media," Humanitarian Free and Open Source Software (HFOSS) Symposium, jointly held with ACM SIGCSE 2010, Milwaukee, WI, March 2010
 - 41 Sabin, Mihaela (Paper Presenter), "IT Education 2.0," SIGITE'09, Fairfax, VA, October 2009

GRANTS

National Science Foundation

- "Ecosystem Computing Challenge," National Science Foundation, **Sabin, Mihaela** (PI), Gardner, Kevin (co-PI), and Froburg, Erik (co-PI), \$750,000, 2013 – 2018
- "Developing Deep Understanding of the NH Computing Education Landscape," National Science Foundation Sub-Award, **Sabin, Mihaela** (PI) and Karen Jin (co-PI), \$25,000, 2015 - 2018
- "UNH Manchester Scholars in Science and Technology," National Science Foundation, **Sabin, Mihaela** (PI), Prescott, Sarah (co-PI), Pobywajlo, Margaret (co-PI), and Varner, Ruth (co-PI), \$599,821, 2010 – 2016

NH EPSCoR

- "Wireless Rooftop Snow Load Measurement System," NH EPSCoR, **Sabin, Mihaela** (PI), LeBlanc, Christopher (co-PI), Dundorf, Christopher (co-PI), \$50,000, 2014 - 2015
- "Girls Technology Day," NH EPSCoR, **Sabin, Mihaela** (PI), Laturneau, Mary (co-PI), \$5,000, August 2013 - July 2014

NH Department of Resources & Economic Development

- "NHIRC: Rooftop Snow Measure," NH DRED, **Sabin, Mihaela** (PI), LeBlanc, Christopher (co-PI), Dundorf, Christopher (co-PI), \$45,250, 2013 – 2014

Google

- "Manchester Mobile CS Principles – Teacher Preparation," Google for Education, **Sabin, Mihaela** (PI), \$35,000, 2016 - 2017
- "CS4HS Teacher Preparation," Google for Education, **Sabin, Mihaela** (PI), \$35,000, 2015 – 2016

Other Corporate Foundations

- "Teacher-Engineer Summer Scholar Academy," Terracon Foundation, **Sabin, Mihaela** (PI), Silva Pimentel, Diane (Co-PI), Bell, Erin (Co-PI), \$2,500, January 2015 – December 2016
- "Teacher-Engineer Summer Scholar Academy," Texas Instruments Foundation, **Sabin, Mihaela** (PI), Silva Pimentel, Diane (Co-PI), Bell, Erin S (Co-PI), \$4,500, June 2015 – December 2016

Private Foundations

- "Teachers Design Make Code," Norwin & Elizabeth Bean Foundation, **Sabin, Mihaela** (PI), \$25,000, 2016 - 2017
- "Design Make Code," Norwin & Elizabeth Bean Foundation, **Sabin, Mihaela** (PI), \$25,000, 2015-2016
- "Bridge to STEM Summer Enrichment Program for English Learners," Agnes Lindsay Trust, **Sabin, Mihaela** (PI), \$5,000, 2016 - 2017
- "Agnes Lindsay STEM Fellowships," Agnes M. Lindsay Trust, **Sabin, Mihaela** (PI), \$10,000, 2016-2017
- "Design Make Code," Agnes M. Lindsay Trust, **Sabin, Mihaela** (PI), \$8,875, 2015-2016

Other External Grants

- "Campuses for Environmental Stewardship", Northern New England Campus Compact, U.S. EPA Environmental Education Sub-Grant Program, Mettauer, Patrice T (Fund Manager), **Sabin, Mihaela** (Co-Principal), Pugh, Stephen (Co-Principal), Jonas, Michael (Co-Principal), Ricketts, Paul (Co-Principal), \$5,000, June 2013 - September 2014

UNH Grants

- "Teacher-Engineer Summer Scholar Academy," **Sabin, Mihaela** (PI), Silva Pimentel, Diane (co-PI), Bell, Erin (co-PI), Academic Engagement and Outreach, \$30,000, July 2015 – August 2017
- "Evaluation of the STEM Discovery Lab", **Sabin Mihaela** (PI), Lauren Provost (co-PI), Sarah Grosvenor (co-PI), Judy Sharkey (co-PI), Ruth Varner (co-PI), UNH Research Office, \$50,000, January 2015 –August 2017
- "An Evaluation of Real-Time Distance Learning Practices for Use in Online Geospatial Training," **Sabin, Mihaela** (PI), Shane Brandt (Co-PI), UNH Research and Engagement Academy (previously named Research and Outreach Scholarship), \$7,000, December 2007 - June 2009
- "Reconfiguring Computing Curriculum with Community Service Projects," **Sabin, Mihaela** (PI), Michael Koski (Co-PI), UNH Research and Engagement Academy, (previously named Research and Outreach Scholarship), \$9,000, December 2007 - June 2009

Department Service

- Applied Engineering and Sciences Department, Chair (January 2017 – Present)
- Computing Technology Program, Coordinator (2007 – 2014)
- Graduate Coordinator (2010 – 2017, 2018 - Present)

Professional and Public Service

- Association for Computing Machinery
 - Education Board, Member (2020 – Present)
 - Education Council, Member (2015 – Present)
- ACM/IEEE Curriculum Guidelines for Baccalaureate Degree Programs in Information Technology
 - Task Group, Chair (2014 - 2017)
- ACM Special Interest Group Information Technology Education (SIGITE)
 - Vice-Chair for Education, Executive Committee (2015 - Present)
 - Vice-Chair, Executive Committee (2012 - 2015)
 - Executive Committee, Eastern Regional Representative (2009 - 2012)
- ABET Computing Accreditation Commission/Computer Science Accreditation Board

- Diversity, Inclusion, and Equity Committee, Member (2020 – Present)
 - Information Technology Committee, Member (2017 – Present)
- Consortium for Computing Sciences in Colleges Northeastern Region (CCSCNE)
 - Board Member (2015 – Present)
 - Editor (2015 – 2020)
 - Vendors Chair (2010 -2012)
- Aspirations in Computing ME, NH, VT Affiliate, Coordinator (2012 – 2016)
- FIRST Women in Science and Technology, Invited Speaker (2008 - Present)
- Computer Science Teacher Association New Hampshire Chapter
 - University Liaison (2010 -2017, 2019 - Present)
 - Founder and Member, (2010 - Present)
- New Hampshire High Tech Council
 - Workforce Development Committee, Member (2016 - Present)
 - Workforce Development Committee, Co-Chair (2017 – 2020)
 - Education Committee (2009 - 2012)