

Abdel Salam Sayyad

+1-304-594-6199

abed.sayyad@gmail.com

<http://www.abdelsalamsayyad.com>



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- Summary**
- Ph.D. in Computer Engineering.
 - Experience in academic management.
 - Experience in teaching Computer Science & Engineering at undergraduate-level.
 - Experience in high-tech product development.

Education	Doctor of Philosophy in Computer Engineering <i>West Virginia University, Morgantown, WV, USA</i>	2014
	Master of Science in Electrical Engineering <i>University of Maryland, College Park, MD, USA</i>	2000
	Bachelor of Science in Electrical Engineering <i>Birzeit University, Birzeit, Palestine</i>	1998

Career History & Accomplishments

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| Visiting Assistant Professor , <i>Department of Mathematics and Computer Science, St. Mary's College of Maryland, USA.</i> | 2014-present |
| <ul style="list-style-type: none">• Responsible for teaching undergraduate courses in computer science. | |
| Graduate Teaching Assistant , <i>Lane Department of Computer Science and Electrical Engineering, West Virginia University, USA.</i> | 2013-2014 |
| <ul style="list-style-type: none">• Responsible for teaching the Microprocessor lab (CPE 310). | |
| Graduate Research Assistant , <i>Lane Department of Computer Science and Electrical Engineering, West Virginia University, USA.</i> | 2011-2013 |
| <ul style="list-style-type: none">• Investigating the performance of Multiobjective Evolutionary Optimization Algorithms when applied to the optimum feature selection in software product lines, in the presence of feature model constraints and competing user preferences. | |
| Department Chairman , <i>Department of Computer Systems Engineering, Birzeit University, Palestine.</i> | 2009-2011 |
| <ul style="list-style-type: none">• Responsibility for department personnel, facilities, academic program, instructor loads, schedule of classes, student advising, and extra-curricular activities. | |

- Instructor**, *Department of Computer Systems Engineering, Birzeit University, Palestine.* 2005-2011
- Instructed the following courses: Digital Design, Computer Organization, Microprocessors, Advanced Digital System Design, Digital Signal Processing, Operating Systems, and Engineering Ethics.
 - Supervised lab sessions: Digital Logic Lab, Microprocessors Lab, Computer Networks Lab.
 - Supervised senior design projects.
 - Served in a number of academic committees: faculty council, cadre committee, academic integrity committee, quality assurance committee, and the annual Birzeit IT Exposition organizing committee.
- Design Engineer**, *Patton Electronics Company, Gaithersburg, MD, USA.* 2000-2005
- Hardware design, maintenance, and production support of Data Communications products.
 - Design of embedded processor systems, involving schematic design using OrCAD, and VHDL code for CPLD and FPGA.
 - Design of board-level tests using JTAG.
 - Specification of production testing requirements and procedures.
 - Troubleshooting of hardware problems related to manufacturing errors or customer complaints.
 - Evaluation of power consumption and heat control in product enclosures.
 - Ensuring product compliance with EMC, Safety and Telecom standards.

Memberships & Affiliations

- IEEE & IEEE Computer Society

Publications

- A.S. Sayyad, J. Ingram, T. Menzies, and H. Ammar: **Scalable Product Line Configuration: A Straw to Break the Camel's Back.** In the *International Conference on Automated Software Engineering (ASE'13)*. Palo Alto, USA. November 2013.
- A.S. Sayyad, K. Goseva-Popstojanova, T. Menzies, and H. Ammar: **On Parameter Tuning in Search-Based Software Engineering: A Replicated Empirical Study.** In the *International Workshop on Replication in Empirical Software Engineering Research (RESER'13)*. Baltimore, USA. October 2013.
- A.S. Sayyad, T. Menzies, and H. Ammar: **On the Value of User Preferences in Search-Based Software Engineering: A Case Study in Software Product Lines.** In the *International Conference on Software Engineering (ICSE'13)*. San Francisco, USA. May 2013.
- A.S. Sayyad and H. Ammar: **Pareto-Optimal Search-Based Software Engineering: A Literature Survey.** In the *International Workshop on Realizing Synergies between Artificial Intelligence and Software Engineering (RAISE'13)*. San Francisco, USA. May 2013.
- A.S. Sayyad, J. Ingram, T. Menzies, and H. Ammar: **Optimum Feature Selection in Software Product Lines: Let Your Model and Values Guide Your Search.** In the *Workshop on Combining Modeling and Search-Based Software Engineering (CMSBSE'13)*. San Francisco, USA. May 2013.
- A.S. Sayyad, H. Ammar, and T. Menzies: **Software Feature Model Recommendations using Data Mining.** In the *International Workshop on Recommendation Systems for Software Engineering (RSSE'12)*. Zurich, Switzerland. June 2012.