

Matan Marom, Syracuse University

IAC Roots

Matan Marom spent 5 years in the Industrial Assessment Center at Syracuse University under the guidance of Director Frederick Carranti. During his IAC tenure, he participated in 36 assessments, and in his final year served the center as Lead Student. While at Syracuse, he earned a Bachelor's Degree in Mechanical Engineering and a Master's Degree in Engineering Management.

One of Mr. Marom's most noteworthy IAC accomplishments was the development of an in-depth report automation program. He and fellow IAC students designed and built the program on a VBA backbone in Excel. This program performs calculations and generates a formatted, editable Microsoft Word document, which includes common assessment recommendations (ARs) and serves as a consistent starting point for writing unique, more challenging ARs. After 3 years in development, the program was unveiled at the annual IAC Lead Student Meeting in Washington, D.C.

Matan takes particular pride in the audits and services the Syracuse IAC provides for the community. These activities include studies of The Jowonio School and the historic Landmark Theater, advising senior design projects that relate to energy, judging science competitions for local high school students, and teaching weekend workshops in engineering. He notes that "These activities serve to underscore the value of the IAC program in fostering the teamwork and professional development that pay huge dividends both to individual careers and to the community."

Matan recalls that in his last year at Syracuse, the IAC relocated to an upgraded office on the second floor of one of the university engineering buildings. Prior to relocating to this new space, the Syracuse IAC had been housed in a basement office measuring only 10 feet wide by 16 feet long. The tiny subterranean office housed six workstations, two file cabinets, a storage cabinet, two printers, and had no air conditioning. IAC staff literally worked back to back. Nevertheless, out of that small office, the team developed outstanding tools and many successful reports. Mr. Marom says, "I currently work for a global company with world class resources. The current workspace I personally occupy is about as big as the entire office I once shared with six other people at the IAC. However, I still remember that tiny office fondly and I am amazed at the productivity and success we were able to accomplish in such tight quarters."



Career Highlights

Currently employed by Schneider Electric, a global energy solutions provider, Matan serves as an application engineer. His IAC skills directly translate to his current duties and responsibilities regarding developing customized energy solutions and working directly with clients to understand and fulfill their energy needs.

The value of Mr. Marom's IAC experience was immediately recognized by his supervisor, Carl Castellow: "Matan has quickly distinguished himself in a strategic business area developing in our company. Schneider made a decision in 2008 to add engineering staff to support its expanding industrial energy program. We felt the IAC program was an excellent training ground for engineering students to develop many of the skills we sought. In the brief period since joining us, Matan has excelled in areas of engineering, project management, and business development, and we look forward to his continued successful career in our company. Consequently, we are very pleased both with Matan as an individual and the IAC as a source for future engineering talent."

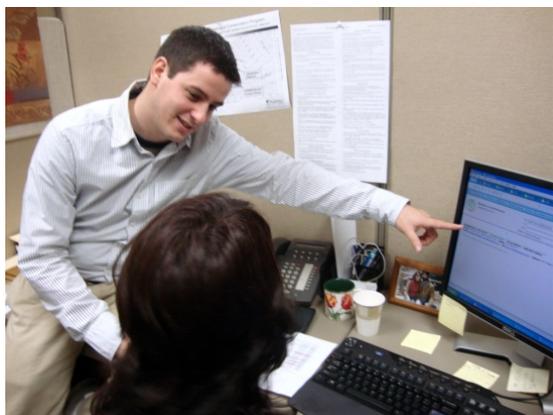


Matan Marom, IAC alumnus from Syracuse University

Recently, Matan developed and managed a comprehensive energy study at Oak Ridge National Laboratory (ORNL). This customized in-depth study was designed to identify cost-effective energy-saving and resource-reducing strategies throughout the lab while ensuring full compliance with Executive Order 13423 and DOE Orders 430.2 B and 450.1. The study satisfied the requirements of several directives, including:

- Energy Star Portfolio Manager
- High Performance Sustainable Buildings
- LEED for Existing Buildings O&M
- Federal Energy Management Program Commissioning Guidance

The study covered buildings amounting to over 1.25 million square feet and resulted in \$1,687,000 in recommended energy and cost savings for Oak Ridge National Laboratory. The annual resource savings for ORNL were 13,792,562 kWh of electricity; 66,549 MMBtu of natural gas, and 13,632 tons of carbon dioxide emissions.



Mr. Marom is also working on a project to develop services in response to the Wal-Mart Sustainability Index. Wal-Mart is currently involved with the Sustainability Consortium to define benchmarks and methods to evaluate the sustainability of companies and products. Within the next few years, all products supplied to Wal-Mart must meet the requirements of the

sustainability index. To prepare for its implementation, Matan's job is to understand the work coming out of the Sustainability Consortium and be able to apply it to clients' current and future needs by developing studies and services that will be meaningful, have impact, and be cost effective.

Mr. Marom is adamant that without his IAC experience, he would not now be performing the rewarding and exciting work in which he is currently involved. He comments that "my years at the IAC laid down a solid background and a foundation for my current position. I was able to use my IAC experience to add value to my company right away and earn the projects that I now lead. I would not be capable of doing the work that I do without the knowledge, experience and confidence that I gained at the IAC."

Focus on the Future

Matan Marom is a Certified Energy Manager. Currently he is an MBA candidate at North Carolina State University with a focus on services management. Mr. Marom credits the IAC and the skills he honed in the program as the platform on which to build his future endeavors. "No matter where my career heads, there is no doubt that I owe a great deal to my IAC background and that the lessons I gained from it will be a continued asset throughout my career."

A Strong Energy Portfolio for a Strong America

Energy efficiency and clean, renewable energy will mean a stronger economy, a cleaner environment, and greater energy independence for America. Working with a wide array of state, community, industry, and university partners, the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy invests in a diverse portfolio of energy technologies.

ABOUT ITP:

The Industrial Technologies Program (ITP) is part of the DOE's Office of Energy Efficiency and Renewable Energy. A program area of ITP, the Industrial Assessment Centers provide eligible small- and medium-sized manufacturers with no-cost energy assessments. Additionally, the IACs serve as a training ground for the next-generation of energy savvy engineers.

ADDITIONAL INFORMATION:

EERE website:
www.eere.energy.gov

ITP website:
www.eere.energy.gov/industry/

IAC student forum website:
www.iacforum.org

EERE Information Center:
1-877-EERE-INF
(1-877-337-3463)

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