

# KAT LIEGL

## Contact Information

- Email:  
mmckell@mail.usf.edu
- Phone: (941) 224-4022
- LinkedIn:  
www.linkedin.com/in/melinda-kathryn-mckell-liegl
- Articles:  
<https://www.adrainekreglo.com/melinda-kathryn-liegl>

## Skills

SolidWorks, CRM/Microsoft Dynamics, Matlab, Photoshop, InDesign, leadership, team building, team working, effective technical skills (HVAC), the ability to work under pressure, problem-solving, creativity, interpersonal skills, commercial awareness (HVAC), verbal and written communication skills.

## Volunteer Affiliations

- 2019-2020 ASHRAE FWC Chapter YEA Co-Chair  
<http://www.ashrae-fwc.org/yea/>
- 2020 Member of SME (formerly Society of Manufacturing Engineers)  
<http://www.smetampabay.org>

## Certifications and Other Job Experience Applicable to a Sales/Applications Engineer

- ASHRAE HVAC Design I & II Certificates 10/2018
- Grant Writing Assistant/Web Manager : Serendipity Solutions, Bradenton, FL 08/2011 to 09/2017
- English Teacher in Japan Yamagata Board of Education, Yamagata Prefecture, Japan 08/2006 to 08/2011

## EDUCATION

### Bachelor of Science in Mechanical Engineering

University of South Florida, Tampa, FL 12/2017

### Bachelor of Arts in International Studies

University of South Florida, Tampa, FL 08/2004

## WORK EXPERIENCE

### Lead Sales and Applications Engineer, ONICON

(promoted to Lead July 2019) 06/2017 to present

Guide customers, specifying engineers, contractors, and sales representatives in the selection of energy and flow measurement products for the HVACR industry; hydronic and air flow. Provide tech support on installed products and assist product management in the review and development of technical documentation. Attend and support trade show activity. Quote domestic and international territories. Daily supervision of the Sales and Applications Engineering team in terms of scheduling and monitoring individual performance and progress.

### Engineering Intern, Nautical Structures Industries

Largo, FL 08/2016 to 06/2017

Create shop drawings and weldments, and implement Engineering Change Orders (ECOs), for the variety of custom built luxury yacht products designed, manufactured and tested at Nautical Structures. Duties include detailing, working with welders and assemblers, and 3D modeling projects for manufacture.

### Design for X Lab (DfX) Assistant Lab Manager

University of South FL, Tampa 05/2015 to 01/2018

Schedule and deliver weekly lab trainings, manage website and Twitter accounts, and provide tours and machine certifications to classes, faculty and individual students. Assemble, maintain and repair a variety of machines, in a high traffic, open-use engineering student design lab. The position involves design, troubleshooting and a lot of interaction with students and faculty.

## RECENT SPEAKING EVENTS

- **ASHRAE CRC Regional Meeting: St. Petersburg** 08/2019  
Challenges of Obtaining An Accurate OA Flow Measurement
- **IDEA 2019 International District Energy: Pittsburgh** 06/2019  
Hydronic Flow & Energy Metering: Best Practices for Selecting & Installing the RIGHT Metering Technology
- **IDEA District Energy: Webinar: Largo** 10/2018  
Topic – Flow Meter Technology and Installation
- **ASHRAE CRC Regional Meeting: Orlando** 08/2018  
Topic- Dos and Don'ts: Installation Best Practices