



Mike D. Cook

Advanced Technology Lab Manager
1201 South Second St.
Milwaukee, WI 53204
1.414.373.0300

michael.cook@rockwellautomation.com

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RE: In Support of Chloe David Young Professionals Competition.

Sir or Madam,

I am writing to enthusiastically recommend Chloe David for the IEC Young Professionals Competition (YEP). Chloe is a mechatronics researcher in Advanced Technology, Rockwell Automation's corporate research & development group. She graduated with a BS in Mechanical Engineering & Mathematics and a MS in Mechanical Engineering from Marquette University, where she conducted research in applied computational science. Since then, she has spent three years at Rockwell Automation leading and supporting research projects on topics including digital twins, model-based systems engineering, signature analysis algorithms, and data-driven control. Additionally, she represents the United States National Committee as a registered expert on IEC TC 65 WG 23 and JWG 21 and has successfully completed the Officer Training at the IEC Central Secretariat Headquarters.

I fully support Chloe's participation in IEC YEP and I believe she will represent the USNC with the utmost professionalism. In Chloe's time at Rockwell Automation, she has led and supported research projects on a wide range of topics, including digital twins, model based system engineering (MBSE), algorithms, and data-driven control. The impact of her technical work has been wide reaching. Chloe's work in MBSE garnered support across disciplines and business units that ultimately resulted in hiring a new skillset. Her algorithm work retired technical risk for the business unit expediting development timelines. Chloe's passion and thirst for knowledge has led her to grow her data-driven techniques and help the team excel in new areas of controls. Finally, Chloe's strong technical writing and ability to leverage networks made her the obvious choice for standards work as a technical expert on TC 65.

While my words of support for Chloe could continue on for many more pages, I would like to wrap up by saying that her strong collaboration, communication, leadership skills and human spirit are the attributes that truly set her apart from her peers. She is the heart of our team's culture, leading social events, onboarding and mentoring new hires, and always available to help a teammate with any problem or concern. Chloe David is the kind of person companies search for and colleagues hope to have on their team.

Respectfully,

A handwritten signature in black ink that reads 'M.D. Cook'.

Mike D. Cook
Advanced Technology Lab Manager