

Applying the Automation Competency Model

Taking advantage of the ACM in developing the future workforce

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SUBMISSION TYPE

30 minute presentation – Invited Speaker

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SCADA, Automation, Workforce Development, Aging Workforce, STEM, ISA, Automation Federation, Careers

ABSTRACT

ISA, the Automation Federation, and several other professional and industry organizations have been developing a skills model to fully develop the Automation Profession. Applying this model can be very beneficial to workforce development challenges within organizations.

We will provide information on the model's development and current work going on to apply the model in industry. Methods of implementing it at your organization are also discussed with practical steps you can take to being your own implementation personally, professionally and organizationally.

This presentation will review the model:

- Why it is needed
- How it was conceived
- Who came up with the skills
- How it is maintained
- How you can provide input

We will then go into application techniques

- How is the profession using the model to develop a new workforce
- How can you apply it to your personal development
- How can you apply it to your organization

Finally, we will review some practical and actionable things you can do with the model immediately:

- How to approach your management to begin an implementation program
- How to use the model to develop proper job descriptions
- How do you use the model to gain a seat at the table of decision makers

Over a decade of work has gone into the creation and promotion of the Automation Competency Model. This presentation will help you tap into the work that many people have completed and use it to your advantage in the development and advancement of your career in Automation.

ABOUT THE AUTHORS

***Dean Ford's** entire 20+ year career has involved industrial automation. He is a Certified Automation Professional®, licensed Control Systems Engineer (CSE PE) and promotes manufacturing and automation to government and the public. He is an active Senior Member in the International Society of Automation (ISA), and many Standards Committees. He serves on the Government Relations and Workforce Development committee for the Automation Federation. As an advocate for the automation profession, Dean regularly travels to Washington, DC to educate policymakers and the public of the importance of the manufacturing and automation.*

Dean is currently making our Water Supply and Water Treatment systems more robust and safe by serving the outstanding professionals of Westin Engineering as Executive Vice President.

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