

THIS CERTIFICATE IS PRESENTED TO

Steven Heidtke

Who has been formally evaluated for demonstrating the highest levels of knowledge and skills and, as such, is bestowed the following NC3 Global Credential.

Introduction to Robotics

COLLABORATE IN THE CLASSROOM. COMPETE IN THE MARKETPLACE.



Thomas Lichtenberger, President & CEO
Festo Didactic, Inc.



Roger Tadajewski, NC3 Executive Director



THIS CERTIFICATE IS RECOGNIZED BY:



06/15/2018

Date Completed

FESTO

NC3 Certification Center

Steven Heidtke has displayed competency of the content listed below through both cognitive and skill based assessments.

- Understand the basic definition of industrial robotics, history highlights, and robotic applications.
- Understand types and sources of robotics hazards, robot safety requirements, safeguarding, and safety standards.
- Understand how to classify a robot based on power sources, drive mechanisms, robot geometries, and ISO standards.
- Understand how to identify hardware and software components of industrial robots; demonstrate basic familiarization of CIROS robotics software by creating a new simulation and a simple model.
- Understand the basic operation of a robotics system and robot operation in different coordinate systems; demonstrate familiarization of basic modes operation of industrial robots through simulation.
- Understand the robot programming and the writing of basic programs for industrial robots; demonstrate the programming of industrial robots and implementing an iterative loop in robot programming through simulation.



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