



ManpowerGroup™

August 15, 2017

Manufacturing is Dead? Think Again. Here are 165 Digital Roles Shaping NextGen Manufacturing in the United States

Research from UI LABS and ManpowerGroup Defines Future Manufacturing Skills, Roles

MILWAUKEE, Aug. 15, 2017 /PRNewswire/ -- UI LABS and ManpowerGroup (NYSE: MAN) today released a groundbreaking workforce analysis that identifies 165 data-centric jobs that will define the future of manufacturing in the United States.

Descriptions for jobs such as collaborative robotics specialist, manufacturing cybersecurity strategist and enterprise digital ethicist give a window into the advanced skills and knowledge needed to put new technology into practice and remain globally competitive.

The Digital Workforce Succession in Manufacturing report is the first to offer such a comprehensive workforce playbook to help companies develop a talent pipeline for existing and future factories. The research includes in-depth profiles for 20 roles that span a range of "digital" technologies and business practices, such as virtual reality/augmented reality systems specialist.

The report also describes the type and level of educational degree associated with each position, ranging from an AAS in Robotics Technology to a Ph.D. in Mathematics or Engineering.

"The new roles we have identified will help prepare American workers for the technological shift that is underway, providing attractive, well-paying jobs for the next generation of manufacturers," said Caralynn Nowinski Collens, CEO of UI LABS. "A smart factory is going to be very dependent on this new workforce."

"Digitization is transforming the job market, creating a need for people with more advanced skills in manufacturing, and our work with UI LABS is evidence of this," said Jonas Prising, Chairman and CEO of ManpowerGroup. "By mapping the digital roles and skills of the future, our research will help companies and schools upskill today's manufacturing workforce for the connected, smart machine and augmented-technology jobs of an increasingly digital enterprise. This will help bridge the skills gap and highlights the advanced and attractive jobs emerging on the forefront of the manufacturing sector."

UI LABS' Digital Manufacturing and Design Innovation Institute and ManpowerGroup's Right Management and Experis brands conducted the research, which was supported by more than 30 industry, academic and government partners. DMDII financed the research using funds from the U.S. Department of Defense, with ManpowerGroup's experts leading the detailed skills analysis.

The project is part of DMDII's mission to promote the adoption of new technology across U.S. manufacturing. It also aligns with ManpowerGroup's broader MyPath™ strategy aimed at closing the skills gap by identifying the roles of the future, building the talent and skills that clients need, and providing people with the guidance and access to jobs that enhance their employability for the long-term.

"The workforce analysis conducted by DMDII and ManpowerGroup offers insight into exciting new roles and skills needed to advance American manufacturing," said Gail Norris, Director of Customer Technical Learning Services at Siemens. "The report envisions a future in which digital technologies like artificial intelligence and augmented reality are commonplace in factories across the United States."

Read the full report, [The Digital Workforce Succession in Manufacturing](#), and view the 20 detailed profiles of advanced digital manufacturing roles at www.uilabs.org/taxonomy.

About UI LABS and DMDII

UI LABS is an innovation accelerator that leverages its network of hundreds of partners from universities + industry to address problems too big for any one organization to solve. Our mission is to transform industries, starting with manufacturing and infrastructure, using digital technology. We drive value for our partners and help make the U.S. economy

and workforce the most productive in the world.

In February 2014, UI LABS announced the formation of its first innovation platform, the Digital Manufacturing and Design Innovation Institute (DMDII), in partnership with the U.S. Department of Defense, to transform American manufacturing through the digitization of the supply chain. DMDII's goal is to provide U.S. factories with the tools, software and expertise they need to build things more efficiently, less expensively, and more quickly, so they can win more business and bring jobs back to the United States. Learn more at uilabs.org.

About ManpowerGroup

ManpowerGroup® (NYSE: MAN), the leading global workforce solutions company, helps organizations transform in a fast-changing world of work by sourcing, assessing, developing and managing the talent that enables them to win. We develop innovative solutions for over 400,000 clients and connect 3+ million people to meaningful, sustainable work across a wide range of industries and skills. Our expert family of brands - Manpower®, Experis®, Right Management® and ManpowerGroup® Solutions - creates substantially more value for candidates and clients across 80 countries and territories and has done so for nearly 70 years. In 2017, ManpowerGroup was named one of the World's Most Ethical Companies for the seventh consecutive year and one of Fortune's Most Admired Companies, confirming our position as the most trusted and admired brand in the industry. See how ManpowerGroup is powering the future of work: www.manpowergroup.com.



ManpowerGroup®



DMDII

+ a **UI LABS** Collaboration

View original content with multimedia: <http://www.prnewswire.com/news-releases/manufacturing-is-dead-think-again-here-are-165-digital-roles-shaping-nextgen-manufacturing-in-the-united-states-300504311.html>

SOURCE ManpowerGroup

News Provided by Acquire Media