TechSolve Speaker Bios
Aerospace Special Processes Suppliers' Summit - Fall 2021

George Adinamis
Senior Engineer of Manufacturing Process Solutions at TechSolve, Inc.

George Adinamis is Senior Engineer of Manufacturing Process Solutions at TechSolve with over 23 years' experience in Manufacturing Engineering, helping manufacturers optimize their machining processes. George has expertise in program management, conventional machining processes, electrochemical machining, cold and hot metal forming and fabrication, TIG welding, MIG welding, resistance welding, and vacuum brazing and is experienced in computer aided design and computer aided manufacturing for tooling, fixtures, and gaging. He conducts comparative machinability tests with special focus on processes such as turning, milling, drilling and deep hole drilling and materials such titanium alloys, high temperature nickel-based alloys, stainless steel, And non-ferrous materials. George also helps manufacturers develop solutions for machining, fabrication, and quality problems and to determine manufacturing "should-cost" ranges to support supplier selection processes and business case analyses for capital investments.

Serge Kikonda
Cybersecurity Analyst at TechSolve, Inc.

Serge Kikonda is a Cybersecurity Analyst at TechSolve with a strong background in Computer Networking Systems, Computer System Support Technology, and IT Cybersecurity. As a Security+ certified member of TechSolve's cybersecurity team, Serge guides manufacturers on how various IT security tools and solutions align with industry best practices. Using his technical writing skills, knowledge, and in-depth understanding of the NIST and CMMC regulatory requirements, Serge conducts cybersecurity assessments for manufacturing clients. Serge also provides guidance, recommendations, training, and other solutions to various clients to help improve their cybersecurity posture, compliance, and overall security practices.

Rob Longfellow,
Director IIoT Solutions at TechSolve, Inc.

Rob Longfellow is the Director of Industrial IoT Solutions at TechSolve, Inc. For over 30 years, Rob has helped manufacturers access the data they need to optimize technology solutions that drive business growth. Rob leads implementation of data collection and secure connectivity solutions for many of the nation's top Defense manufacturers and small businesses alike. Throughout his career, Rob has developed solutions for engineering, manufacturing and sales groups that streamline and automate processes while delivering actionable information for strategic and tactical decision makers. His expertise in manufacturing, software development and business development enable him to understand the intricacies and big picture of manufacturing shop floors and develop solutions that help manufacturers make and validate the best decisions to improve profitability.

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Radu Pavel, PhD
Vice President, Chief Technology Officer & Chief Engineer at TechSolve, Inc.

Dr. Radu Pavel is Vice President, Chief Technology Officer and Chief Engineer of TechSolve, Inc. He has over 25 years of mechanical and manufacturing engineering experience developed in industry, research laboratories and universities in Europe and the United States. He has a master and PhD in mechanical engineering, and a PhD in manufacturing engineering. Building on a strong background in machining and grinding, Dr. Pavel developed expertise in digital manufacturing through project work focused on identification, evaluation, development, demonstration and dissemination of technologies for the advanced manufacturing enterprise. He has led multiple programs focused on accelerating the adoption of digital manufacturing technologies, including implementation of research and educational programs on Industry 4.0, such as Prognostics and Health Management, Cybersecurity, and the Industrial IoT. Dr. Pavel is participating in the development of standards for smart manufacturing and he is actively involved in collaborations with Manufacturing U.S.A. institutes, including America Makes, ARM, CESMII and MxD. He published many papers in refereed conference proceedings and journals, and organized multiple panels and international symposiums. He has been a significant contributor to the American Society of Mechanical Engineering (ASME) and is currently a member of the Advisory Committee of the Manufacturing Engineering Division of ASME. Dr. Pavel has been an invited technical reviewer for multiple international journals and conferences and is currently Associate Editor of Journal of Manufacturing Science and Engineering (JMSE) of ASME.

Mark Huffman
Engineering Manager at TechSolve, Inc.

Mark Huffman joined TechSolve in 2007, with a background in Mechanical Engineering, Robotics and Virtual Simulation. Mark was technical team lead for the Intelligent Manufacturing Technology Network thrust area of the U.S. Army Smart Machine Platform Initiative. He led and designed experiments to test new technologies and practices to connect shop floor technology elements that traditionally operated independently to demonstrate effective technology to achieve "First Part Correct" capability. Mark went on to manage the Smart Machine Platform Initiative (SMPI) in the final two years of the program and subsequently lead the follow-on Intelligent Manufacturing Applications and Practices program. Mark managed the AFRL Adaptive Machining Program focused on of reducing rework/scrap for boarded aerospace composite structural parts by adapting the machining process to the parts' variable thicknesses. Mark completed MRAs throughout the AMP effort to achieve the desired MRL of the adaptive machining technology. He subsequently led TechSolve tasks supporting two America Makes/USAF projects focused on additive manufacturing for repair applications using Hybrid deposition + machining technology. Mark continues to evaluate, add and demonstrate automated systems using the test-bed environment, and he has applied structured approaches for task mapping, selecting/evaluating solutions, calculating ROI and conducting risk assessments.