

Interdisciplinary collaboration between engineering, mathematics and science

SEMS Research Highlights



Pittsburgh Veterans Engineering Resource Center

Mr. Robert Monte

Director, Pittsburgh Veterans Engineering Resource Center



VERC's Human Engineering Research Center

This newsletter presents the research conducted within the School of Engineering, Mathematics and Science (SEMS) at Robert Morris University (RMU). It covers various relevant topics including: interdisciplinary efforts, successful research grants, student research, posters and papers, journal publications, presentations at national and international conferences, contribution to professional societies, STEM educational research, industrial consulting collaborations and applied research.

Mr. Robert Monte is the Director of the Veterans Engineering Resource Center (VERC) at the VA Pittsburgh Healthcare System and the Acting National VERC Director. Mr. Monte informed that VERC started in 2009 and so far VERC has led over 100 health care improvement projects on local, regional, and national levels. VERC uses a multidisciplinary approach to systematically solve problems deploying the following processes:

Analyze data and processes to build a foundation for improvement.

Design and re-engineer to provide customized tools and solutions for Veterans and employees.

Implement projects by leading teams and communicating opportunities at a local and national level.

Mr. Monte explained that VERC employs staff who have diverse backgrounds such as industrial and systems engineering, project management, improvement specialists, researchers, leaders, and academics with expertise in many areas such as:

—Lean, six-sigma and SPC-based quality improvement

—Computer simulations

—Enterprise and project management

—Database design and development

—Queuing methods and models

—Healthcare process optimizations and operations research

—Human factors engineering,

—Datamining and predictive modeling, and many other topics.

Mr. Monte has an undergraduate degree in Pharmacy and a masters qualification in Business Administration (MBA). His pharmacy career includes 37 years in professional clinical settings including inpatient and outpatient hospital pharmacy, retail, and specialty mail order pharmacy.

This is a publication of SEMS - Research and Outreach Center (ROC) which was established in 2010 by the SEMS Dean Dr. Maria Kalevitch. SEMS-ROC connects SEMS faculty and students with the region, the nation and the globe, demonstrates diversity and interdisciplinary interests of all three departments in the school. For more information on research at RMU - SEMS please contact:

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