immediate aspirations for this effort, Research and development will concentrate on novel mechanisms, methodologies, and advanced collaboration technology to monitor the health of distributed simulation networks.

Presenters’ Biographies:

David Bridges holds a Bachelors of Science in Business with a concentration in Management Information Systems from Wright State University in Dayton, Ohio. Mr. Bridges has nearly four years of experience in the IT industry and currently holds the position of Software Engineer and Systems Administrator with Peerless Technologies Corporation.

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SPRUCE: SYSTEMS AND SOFTWARE PRODUCIBILITY COLLABORATION AND EVALUATION ENVIRONMENT

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ABSTRACT

SPRUCE (Systems and Software Producibility Collaboration and Evaluation Environment) is an open web portal and experimentation environment to bring together Department of Defense (DoD) software developers, users, and software engineering researchers by collaborating on specifying and solving software producibility challenge problems. The SPRUCE approach emphasizes collaboration around well-defined challenge problems with project-specific artifacts representative of DoD projects and experimentation for reproducing the stated problems, establishing benchmarks and evaluating solutions.

This poster illustrates SPRUCE’s key features, including self-organizing communities of interest (CoI), dynamically evolving challenge problems with accompanying artifacts, and built-in experimentation facilities to reproduce the problems and evaluate solutions. Finally, it showcases some early experiences and results with representative challenge problems.

Presenter’s Biography:

Richard Buskens is a Manager of Advanced Software Technology Research at Lockheed Martin Advanced Technology Laboratories (ATL). He has over 18 years of Software Engineering experience. Since joining Lockheed Martin in October 2006, Dr. Buskens has assumed the role of technical program manager of Lockheed Martin’s Software Technology Initiative, which aims to demonstrate innovative technologies that can lead to software development that is five times faster and one-fifth the cost of current software development methods. Dr. Buskens is the principal investigator for the ATL team’s participation in AFRL’s Systems and Software Test Track Phase II program, called SPRUCE. Prior to joining LM ATL, Dr. Buskens worked at Bell Laboratories for 12 years in a variety of capacities including leading a 30-person team focused on software engineering technology research. Several of the technologies developed were transitioned into/adopted by Lucent Technologies product units.