



International Council on Systems Engineering
Delaware Valley Chapter Meeting
(Non-members welcome to attend)

QuARS: Automated Natural Language Analysis of Requirements and Specifications

Speaker: Robert Ferguson, Software Engineering Institute, Carnegie Mellon University

Date: Tuesday June 21st, 2005

Time: 6:00 p.m. \$10 for the buffet meal (students \$5)
6:30 p.m. Meeting begins

Place: L-3 Communications auditorium,
A&E Building,
1 Federal Street, Camden, NJ
For directions to L-3 please visit the web site
http://www.l-3com.com/cs-east/ie_locmap.html

Please contact Peter.Scott@L-3Com.com if you plan to attend this event.

ABSTRACT

Requirements analysis is a nontrivial, tedious, error prone and time consuming process. This paper describes a tool that automates identification of requirements defects that exist because of inadequate use of language for the purpose intended. The paper also describes results of using the tool on actual requirements documents from different industries. Our results show that the tool identifies defects that often escape detection by human inspector and furthermore catches nearly all of the defects that are identified by human inspectors.

BIOGRAPHY

Mr. Ferguson joined the SEI in 2003 after 30 years in industry. He works in the Software Engineering Measurement and Analysis (SEMA) group. In addition to a general interest in software and process measurement, he is currently researching software acquisition programs, software estimation. Mr. Ferguson has an MS in Mathematics, and certification from the Project Management Institute (PMI) as a Project Management Professional (PMP). He is also a Senior Member of IEEE.

For further information about the International Council on Systems Engineering please visit the INCOSE website at <http://www.incose.org/> and the Delaware Valley Chapter website at <http://www.incose.org/delvalley/>