18th International Logistics Congress and Exhibition (ILC-2002), Munich, Germany, 6-9 October 2002.

The theme for this year's European Congress is *Outsourcing and Life-Cycle Support: Sharing The Opportunities, Sharing The Risks.* This is certainly very appropriate in today's environment with the increase in globalization, a greater amount of outsourcing with many more suppliers involved in a typical program, and with international competition growing at a rapid rate. This theme will be addressed through the presentation of three tracks of technical papers — (1) *Change In Support Policies and Strategy*; (2) *Change In Support Organization*; and (3) *Enabling Technologies (Electronic Markets).*
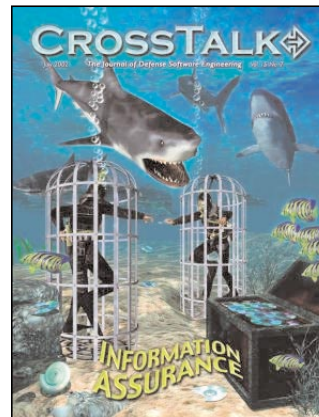
In addition to the excellent technical program being planned, through the leadership of the Munich Chapter, the Congress will be held in a beautiful part of Europe (Bavaria), and there is a great deal to see on the side — e.g., the Bavarian Alps (the Zugspitze - Germany's highest mountain), Neuschwanstein (King Ludwig's Castle located in a breath-taking setting), the Deutsches Museum (one of the world's best "technical" museums), the famous Hofbrauhaus (large beer hall with a lot of good music and "local" color), Marienplatz and the Glockenspiel (a good place in downtown Munich to gather and enjoy the environment), Oberammergau (where the Passion Play is held), the Olympic Village (1972 Olympics), and many small Alpian villages which are fun the visit. Additionally, Munich's famous Oktoberfest ("Wiesn") is scheduled just prior to the Congress, September 21-October 6, should you desire some additional excitement (editorial note — your author had the pleasure of participating in such a festive event a number of years ago and found it to be a very interesting experience). In essence, the Congress and the surrounding area should be a great place for a visit in October (either individually or as a family).

Please plan to register NOW if you haven't already done so. For further information, visit the Congress web site **http://www.ilc2002.org/008_002.htm** and/or the SOLE web site **www.sole.org**.
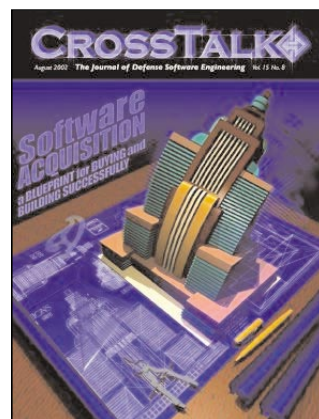
Elsewhere

CrossTalk - The Journal of Defense Software Engineering

The theme of the July issue (Vol. 15, No. 7), published by the Software Technology Support Center (STSC), Ogden Air Logistics Center (OALC), Hill AFB, UT 84056 (**www. stsc.hill.af.mil**), is "Information Assurance." Included in this issue are the following articles which may be of interest: *What Is Information Assurance?* by Dr. Walter L. McKnight; *Information Survivability: Required Shifts In Perspective* by Julia H. Allen and Dr. Carol A. Sledge; *Foundations For Survivable Systems Engineering* by Dr. Robert Ellison, Richard Linger, Dr. Howard Lipson, Dr. Nancy Mead, and Andrew Moore; *Security Issues With SOAP* by Jim Clune and Dr. Adam Kolawa; *Focusing Measurement On Managers' Informational Needs* by Peter Baxter; *JAD On a Shoestring Budget* by Dr. Mario J. Spina and John A. Rolando; *National Information Assurance Acquisition Policy* by the Editor; and *Information Insurance* by David A. Cook.

The theme for the August issue (Vol. 15, No. 8) is "Software Acquisition: A Blueprint For Buying and Building Successfully." Included in this issue are the following articles which may be of interest: *Acquiring The Quality Products You Deserve* by Tracy L. Stauder; *Applying The Software Acquisition Capability Maturity Model* by Dr. Matthew J. Fisher, Wolfhart B. Goethert, and Dr. Lawrence G. Jones; *Achieving SA-CMM Level 2 at PM Abrams* by Randy Schneider, Col. Donald Kotchman, David Schepke, Leonard Konwinski, Edward Andres, and Mike Olsem; *Evolutionary Acquisition and*

SOLE, SOLEurope and Munich Chapter

present the

18th International Logistics Congress and Exhibition

October 6–9, 2002
Gasteig Arts Center, Munich, Germany

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OUTSOURCING LIFE CYCLE SUPPORT
Sharing the Risks, Sharing the Opportunities

TOPICS INCLUDE

Evolution of Support Policies and Strategies

- The Challenge of Changes to Support Policies for "Global Players"
- Long Term Warranty and Contractual Obligations
- Legal and Economic Aspects
- Economic Risks, Analysis and Risk Management
- Scientific and Engineering Methods
- Design to Life Cycle Cost and Support Opportunities
- Geographical Distribution of Facilities and Stores
- Distributed Stock Management
- Optimised Transportation
- Personnel and Training
- Management Organisation
- Supply Chain Management

Enabling Technologies

- Software Support of Business Processes
- Network Organisation
- Electronic Market-places, Portals
- Application of Standards (e.g. AECMA)
- Future Trends

CONFERENCE PROGRAMME

The main conference is organised in three parallel tracks:

A) *Support Policies, Standards and Practices Evolving*; papers include "Life Cycle Integration – The Revised NATO CALS Policy," "The Influence of Logistics Engineering on Commercial SMC," or "Turn-key Maintenance Approach – Long Term Warranty or Outsourcing"

B) *Support Organisations, Projects and Research,* covering experience gained from current projects; papers include "Business Plan for a Reverse Logistics Start Up," "The Layout Reorganisation in Minifactories," or "Outsourcing in the Postal Industry"

C) *Enabling Technologies, Methods, Tools and Research*; papers include "Tracking and Tracing with Transponder Technology," "Implementation of Software Subcontracting Management Methods and Standards," "Developing a Supply Chain Strategy Architecture," or "Software Meets ILS (Test Technologies)"

Authors are coming from Government, Government Establishments, Major Industries and Universities including:

MoD Italy (DGAT), Defense Research Establishment Norway, ISDEFE Madrid, Boeing USA, EADS Germany, Kanagawa University Japan, University of Economics Varna Bulgaria, Escola Federal de Engenharia Brazil; and represent 19 countries (e.g. Brazil, Japan, South Africa, Turkey, USA, Europe)

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Elsewhere *(Concluded)*

Spiral Development by Skip Hawthorne and Ramona Lush; *Teaming Agreements Are a Lot Like Arranged Marriages* by Quentin W. Fleming; *Control The Software Beast With Metrics-Based Management* by Lawrence H. Putnam and Ware Myers; *Did We Lose Our Religion?* by Lloyd K. Mosemann; and *Best Value Formula* by David P. Quinn.

Editor Needed

As conveyed in the July "SOLEtech," this issue will be my last as the "Editor" (for the reasons stated in the newsletter). Although I have requested a "sabbatical" in this area, I do believe that there is a need for the continuation of a monthly "SOLEtech," with the objectives of providing a "technical" thrust in logistics and on a regular basis. Thus, there is a need for a new Editor. For anyone who may be interested, this would be a good opportunity for improving newsletter content, getting others involved as contributors, and presenting your thoughts/ideas relative to logistics and its applications. If interested, or in the event of questions, please contact either Rene Smith (**smithrene@cox.net**) or Anthony (Tony) Trovato (**aetrovato@raytheon.com**). Thanks, and I shall look forward to seeing some of you in Phoenix, August 10-15. Ben S. Blanchard.

Calendar of Events

1. *37th Annual International Logistics Conference and Exhibition (SOLE-2002)*, sponsored by the International Society of Logistics (SOLE), Point South Mountain Resort, 777 South Mountain Parkway, Phoenix, AZ 85044, August 10-15. The theme is "21st Century Logistics: The Global Bridge." The Keynote Speaker will be Allen W. Beckett, Principal Assistant Deputy Under Secretary of Defense for Logistics and Materiel Readiness. SOLE Board/Chapter meetings and workshops/tutorials will be scheduled prior to the technical program, August 10-12. Workshops on Sunday (August 11th) will include: (1) *Knowledge Based FMEA: Combining the Practices of Logistics, Failure Reporting, and Failure Analysis*, conducted by Dr. Zigmund Bluvband, Dr. Alex Barel, and Dr. Herb Hecht; and (2) *Going Lean with Lean Engineering, Design for Assembly, and Design for Supportability/Sustainability.* For additional Information, please call SOLE Headquarters (301-459-8446) and/or visit the SOLE web site **http:www.sole.org**.

2. *15th International Congress and Exhibition On Condition Monitoring and Diagnostic Engineering Management (COMADEM)*, University of Birmingham. United Kingdom, September 2-4. For additional information, contact Professor B.K.N. Rao (**rajbknrao@btinternet.com**) and/or visit web site **http:www.comadem.com**.

3. *Council of Logistics Management Annual Conference*, sponsored by CLM, Moscone Center, San Francisco, CA, September 29-October 2. The theme is "The Rules Are Changing ...." The Keynote Speaker for the opening session will be Michael L. Eskey, Chairman and CEO, United Parcel Service. For additional information, contact CLM Headquarters at **clmadmin@clm1.org** and/or visit web site **http:www.clmadmin@clm1.org/ conf2002/index.asp**.

4. *18th International Logistics Congress and Exhibition (ILC-2002)*, sponsored by SOLEurope and hosted by the Munich Chapter, Gasteig Arts Center, Munich, Germany, October 6-9. The Conference theme is "Outsourcing Life-Cycle Support: Sharing The Opportunities, Sharing The Risks." For additional information, visit web site **http://www.ilc2002.org** and/or visit the SOLE web site **www.sole.org**.

5. *10th Annual SMRP Conference*, sponsored by the Society of Maintenance and Reliability Professionals (SMRP), Nashville, TN, October 27-30. For additional information, contact **genna@smrp.org** and/or visit web site **www.smrp.org**.

6. *28th International Symposium for Testing and Failure Analysis (ISTFA-2002)*, Phoenix, AZ, November 3-7. For further information, contact Lee Knauss (**lknauss@neocera.com**) and/or visit web site **http://www.asm-intl.org/istfa**.

7. *Availability, Reliability, and Maintainability (ARM) Workshop,* sponsored by Logistics Support Analysts, Northampton Hilton Hotel, Northampton, United Kingdom, November 4-8. For further information, contact Ben Blanchard at **bsblanch@vt.edu**.

8. *15th International Conference-Software and Systems Engineering and Their Applications (ICSSEA-2002)*, Paris, France, December 3-5. The theme is "Development and Globalization." For additional information, contact Jean Clause Rault (**rault@cname.fr**) and/or visit web site **www.cname.fr/CMSL**.

9. *The International Symposium On Product Quality and Integrity (RAMS-2003)*, sponsored by 10 technical societies (to include SOLE), Tampa Waterside Marriott Hotel, Tampa, FL, January 27-30, 2003. The theme is "Transforming Technologies For Reliability and Maintainability Engineering." The General Chair will be Dr. John English, University of Arkansas (tel: 479-575-6029). For further information, visit web site **http://www.rams.org** and/or contact SOLE Headquarters (**SOLEHQ@erols.com**).

Calendar of Events *(Concluded)*

10. *Conference On Systems Integration (CSI)*, Charles V. Schaefer School of Engineering, Stevens Institute of Technology, Hoboken, NJ, March 12-14, 2003. This Conference is sponsored by the Stevens Institute of Technology in cooperation with the University of Southern California, INCOSE's Systems Engineering Center of Excellence (SECOE), and NDIA'a Systems Engineering Technical Committee. The theme is the "Design, Analysis and Modeling, Management, Use and Operations, and Support of Complex Systems In Information Technology, Telecommunications, and Network Centric Aerospace and Defense Domains." For additional information, contact Dr. Dinesh Verma (tel: 201-216-8334/201-216-8645; e-mail: **dverma@stevens-tech.edu**) and/or visit web site **http://www.stevens-tech.edu/csi**.

11. *15th Annual Software Technology Conference*, sponsored by the U.S. Army, U.S. Marine Corps, U.S. Navy, U.S. Air Force, Defense Information Systems Agency, and the Utah State University Extension Division, Salt Palace Convention Center, Salt Lake City, UT, April 28 - May 1, 2003. The co-hosts are the Ogden Air Logistics Center and the Air Force Software Technology Support Center. The Conference theme is "Strategies and Technologies: Enabling Capability-Based Transformation." For additional information, contact **stc-info@ext.usu.edu** (Utah State University, 5045 Old Main Hill, Logan, UT 84322-5045; tel: 435-797-0423) and/or visit web site **www.stc-online.org**.

12. *International Conference of Maintenance Societies (ICOMS-2003)*, sponsored by the Maintenance Engineering Society of Australia (MESA) and co-hosted by SOLE-Australia, Sheraton Hotel, Perth, Western Australia, May 20-23, 2003. The theme is "Maintenance: It Makes Good Business $ense." For additional information, contact Sally Nugent, ICOMS, P.O. Box 634, Brentford Square, Victoria 3131, Australia (e-mail: **icoms@corrprev.org.au**) and/or visit web site **www.mesa.org.au**.

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System Supportability and Logistics

SYS-650:
System Architecture and Design

SYS-660:
Decision and Risk Analysis

SYS-625 — SYSTEM OPERATIONAL EFFECTIVENESS AND LIFE CYCLE ANALYSIS (FUNDAMENTS OF SYSTEMS ENGINEERING)

MODULE DESCRIPTION: This course discusses fundamentals of systems engineering. Initial focus is on need identification and problems definition. Thereafter, synthesis, analysis, and evaluation activities during conceptual and preliminary system design phases are discussed and articulated through examples and case studies. Emphasis is placed on enhancing the effectiveness and efficiency of deployed systems while concurrently reducing their operation and support costs.

SYS-650 — SYSTEM ARCHITECTURE AND DESIGN

MODULE DESCRIPTION: This course discusses the fundamentals of system architecting and the architecting process, along with practical heuristics. Furthermore, the course has a strong "how-to" orientation, and numerous case studies are used to convey and discuss good architectural concepts as well as lessons learned. Adaptation of the architectural process to ensure effective application of COTS will also be discussed.

SYS-645 — DESIGN FOR SYSTEM RELIABILITY, MAINTAINABILITY, AND SUPPORTABILITY

MODULE DESCRIPTION: This course provides the participant with the tools and techniques that can be used early in the design phase to effectively influence a design from the perspective of system reliability, maintainability, and supportability. Students will be introduced to various requirements definition and analysis tools and techniques. Further, the students will learn to exploit this phase of the system design and development process to impart enhanced reliability, maintainability, and supportability to the design configuration being developed. Examples and case studies will be used to facilitate understanding of these principles and concepts.

SYS-640 — SYSTEM SUPPORTABILITY AND LOGISTICS

MODULE DESCRIPTION: The supportability of a system can be defined as the ability of the system to be supported in a cost effective and timely manner, with a minimum of logistics support resources. The required logistics resources might include test and support equipment, trained maintenance personnel, spare and repair parts, technical documentation, and special facilities. For large complex systems, supportability considerations may be significant and often have a major impact upon life-cycle cost. It is therefore particularly important that these considerations be included early during the requirements definition and architecture formulation phases. Accordingly, the module participants will be introduced to system supportability engineering methods, tools, and metrics, while also focusing on the development and optimization of specific elements of logistic support.

SYS-660 — DECISION AND RISK ANALYSIS FOR COMPLEX SYSTEMS

MODULE DESCRIPTION: This course is a study of analytic techniques for rational decision making that addresses uncertainty, conflicting objectives, and risk attitudes. This course covers modeling uncertainty; rational decision making principles; representing decision problems with value trees, decision trees and influence diagrams; solving value hierarchies; defining and calculating the value of information; incorporating risk attitudes into the analysis; and conducting sensitivity analyses.

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