

SYSTEMS ARCHITECTING: ART AND SCIENCE



A One Day Tutorial -- September 16, 2000

Instructor: Mr. Mark Maier, PhD

Systems architecting is that part of systems engineering that deals with concept, structure, and fitness for use. Systems architecting addresses some of the most difficult areas of systems engineering, including:

- How to develop a rigorous understanding of requirements from nebulous customer expectations
- How to synthesize new system concepts in complex domains
- How to evaluate systems for fitness of use, not just compliance with requirements

WHAT'S IN THIS TUTORIAL:

The tutorial is based on the book, "The Art of Systems Architecting," Second Edition, by Mark W. Maier and Eberhardt Rechtin. This book has become one of most widely used textbooks and references in system architecting, and is one of the best selling books on systems engineering. The tutorial will cover:

- Fundamental concepts of systems architecting
- Appropriate usage of heuristic and rigorous tools
- Application in particular domains, and emergent or collaborative systems

All enrolled participants will receive a copy of *The Art of System Architecting*, Second Edition, co-authored by Dr. Maier and Dr. Eberhardt Rectin.

Date: **September 16, 2000**
 Time: 8 a.m. to 5 p.m. (includes an hour for lunch; lunch is provided)
 Place: San Jose State University, Engineering Building Auditorium
 Cost: Space is limited. Enrollment deadline is September 8

	INCLOSE Member	Non- Member	Non-Member plus Membership *
Registration	\$120	\$170	\$195

(Fee for parking on campus is not included)

(*Reminder - Non-members can enroll at the member's rate by including the membership fee. Membership good to 5/31/2001. Annual membership will be \$80.)



San Francisco Bay Area Chapter

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chapter activities at
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**ENROLLMENT AND
CONTACT INFO ON BACK**

About the Instructor

Mark Maier was educated at Caltech (BS and MS in Electrical Engineering) and USC (Engineers and PhD in Electrical Engineering). He is currently a Senior Engineering Specialist at the Aerospace Corporation in the Reconnaissance Systems Division. At Aerospace he leads the corporate training program in Systems Architecting, and support architecture efforts in the Department of Defense and Intelligence Community.

Before joining the Aerospace Corporation Dr. Maier was an Associate Professor of Electrical Engineering at the University of Alabama in Huntsville, and a Section Head at the Hughes Aircraft Company, Radar Systems Division. Dr. Maier is the author of more than 50 publications in systems architecting, systems engineering, radar signal processing, data compression, networking, and satellite design.

He is the co-author, with Dr. Eberhardt Rehtin, of *The Art of Systems Architecting*, Second Edition, CRC Press.

INFORMATION

Pre-Registration is Required. Fill out and return the enrollment form provided. Acceptable forms of payment are checks, bank drafts, and money orders (sorry, no purchase orders). Fees are payable to INCOSE. To "reserve" a space in the tutorial when paying by company check, remit a personal check and attach a note to hold for company payment. Pre-registration ends **September 8**.

Late Registration. Enrollment forms postmarked after **September 8** will be treated as Late Registration. Late Registration received prior to **September 15** will require a \$15 late fee. Late registration received on **September 15** and walk-ins on **September 16** will require a \$30 late fee. Late registrants are not guaranteed handouts at the beginning of the tutorial. We will attempt to make handouts available during the day of the tutorial.

Confirming Enrollment Call 408.257.5501 if enrollment confirmation is not received by **September 12**.

Enrollment Packets A confirmation notice will be in the enrollment information package. A map to San Jose State and the auditorium will be provided as well as parking information and a phone number to be used in an emergency. Course material will be distributed on the day of the tutorial at the registration desk. Registration begins at 8 a.m. The course is scheduled to end at 5 p.m.

Lunch is Provided A one hour lunch break is scheduled. Lunch will be provided and the entree will be a selection of sandwiches with various meats and cheeses. Please list dietary restrictions on the enrollment form.

Cancellation Policy Full refunds will be made prior to **September 8**. The registration fee will also be refunded if the tutorial must be cancelled or rescheduled due to circumstances beyond our control.

Event Coordinator Ms. Linda Howell of *SERVICE PLUS* provides event operations support. Enrollment status and changes should be given to

SERVICE PLUS 408.257.5501 or incose@svcplus.com

For Information about INCOSE Tutorials: Barney Morais at 408.720.8431, bgmorais@ieee.org

You may register on line at <http://www.incose.org/sfbac/tutorials>

✂ ----- complete and mail ----- ✂

Enrollment Form for SYSTEMS ARCHITECTING: ART AND SCIENCE (Postmark by September 8)

Name _____ (for Certificate of Completion) _____

Mailing Address _____

Position _____ Company _____

Day Phone _____ Fax _____

Email _____

Remarks/Request _____

<i>Circle the amount enclosed</i>	INCOSE Member	Non-Member	Non-Member plus Membership*	<i>Mail completed form and fee (made out to INCOSE) to:</i> SERVICE PLUS SFBAC Tutorial P.O. BOX 2610 Cupertino, CA 95015-2610
Registration (Fee for parking on campus is not included)	\$120	\$170	\$195	

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