

# CURRICULUM VITAE

**Dr. Tahan Meir**

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## EDUCATION

*PhD* 2008, Engineering Systems Integration, Faculty of Aeronautics Engineering, Dept. of Systems engineering, Technion–Israel Institute of Technology, Haifa Israel

Dissertation: “Modeling Analyses and Optimization of Integration Processes for Engineering Systems”

*ME* 2000, Systems Engineering, Faculty of Aeronautics Engineering, Dept. of Systems Engineering, Technion–Israel Institute of Technology, Haifa Israel, graduated cum laude

*BSc* 1977, Electrical Engineering, Faculty of Electrical Engineering, Ben Gurion University, Beer Sheva Israel

## CERTIFICATION

ESEP 2012 – Incose Expert Systems Engineering Professional

## RESEARCH INTERESTS

- Systems Integration
- Risk Management
- **TEACHING EXPERIENCE**
- **ORT Braude College of Engineering:**
- **Graduate Courses: Systems Engineering & Industrial Engineering**
- **Systems Engineering:**
- Systems Integration
- Risk Management
- Final project coordinator and advisor
- **Industrial Engineering:**
- Project Management Process
- **Undergraduate Courses:**
- Risk Management
- Engineering Design advisor

## PROFESSIONAL ACTIVITIES

2009 – present	Testing Engineering team leader, Plasan Sasa: Responsible for testing engineering, test planning, test reports, and testing instrumentation.
2007 – present	Ort-Braude, Lecturer. System Engineering M.Sc program team member.
2002 – 2009	Project leader and systems engineer of unattended ground imager for surveillance, Seraphim: Leading a complex project from the requirements stage and up to production and customer support
2001 – 2002	Project leader of fiber optic repeater for cellular communication, Celletra
1997 – 2001	Project Stabilization Manager, Rafael; involved in an extremely complex project (Lightening Pod) adapted to several aircrafts and produced in relatively large quantities; responsible for stabilizing the production line and increasing the MTBF (mean time between failures) of the lightening pod by a factor of 3
1992 – 1997	Various duties, Rafael; responsible for initiating new projects taking into consideration Rafael's capabilities and customer needs; required to come up with several ideas (military and medical). Two of the ideas achieved financing for applicability evaluation experiment; One the ideas finally become a full scale development project and I served as the main system engineer.
1990 – 1992	On sabbatical – working with Infrared Fiber Systems; over the period of one year responsible for integration of infrared spectrometer based on AOTF crystal; over the same period also lead a project developing and transferring to production an ear thermometer
1977 – 1990	Various duties, Rafael: Started as Design Engineer, developing a coreless and brushless DC motor controlled by a microcomputer; thereafter worked as an Integration Engineer, leading an integration group integrating a complex system and transfer to production; then moved to the position of a Systems Engineer, developing of a large scale project from the reception of customer specification up to the stage of qualification tests; finally, worked as a Project Production Line Leader, responsible for transfer to production, improving testability, design of the production line and production of the first lot

## **LIST OF PUBLICATIONS**

### **Refereed Papers**

1. Tahan and Ben-Asher: Modeling and Analysis of Integration Processes for Engineering Systems. Systems Engineering (The Journal of The International Council on Systems Engineering) Volume 8 Number 1 2005.

2. Tahan and Ben-Asher: Modeling and Optimization of Integration Processes Using Dynamic Programming. *Systems Engineering (The Journal of The International Council on Systems Engineering)* Volume 11 Number 2 2008.

#### **Conference Proceedings and Abstracts**

1. Tahan and Ben-Asher: Modeling and Analysis of Integration Processes. Presented at the *Israeli INCOSE Conference*, Hertzelia, 2002.
2. Tahan and Ben-Asher: Modeling and Analysis of Integration Processes. Presented at the *INCOSE Conference*, Las Vegas, 2002.
3. Tahan and Ben-Asher: Modeling and Optimization of Integration Processes Using Dynamic Programming. Presented at the *Israeli INCOSE Conference*, Hertzelia, 2006.
4. Tahan: Modeling and Optimization of Integration Processes under severe uncertainties. Presented at the *Israeli INCOSE Conference*, Hertzelia, 2009.
5. Tahan and Benish: Integration Optimization tool. Presented at the *Israeli INCOSE Conference*, Hertzelia, 2011.
6. Tahan & Yuval: Un-Identified risks. Presented at the *Quality Conference*, Hayfa, 2011.
7. Tahan: Looking forward Integration methodology. Seminar - Presented for *ILTAM*, Hayfa, 2011.