The Teachers/Appraisers

Paolo Panaroni has more than 25 years experience in software engineering. He contributed to the development of an Ada compiler. He contributed to the definition of the HOOD method the HOOD to Ada mapping rules. He founded and has been tha chairman of Ada Italy. He lead a number of Ada courses and seminars Europe-wide. He developed the Ada coding standards for major space programmes under ESA contracts. Member of Ada Europe.

Silvia Mazzini has some 20 years experience in software engineering and software quality. He contributed to the definition of software standards for large Space programs. Consultant to International Organizations and other relevant Companies. Teacher of ECSS and DO-178B standards. Team member for CMMI appraisals.

The Company

Since 1974, INTECS has been operating at the forefront of the software market, where safety, reliability, innovation, and quality are essential for success. INTECS provides leading-edge software technologies to support the major European and Italian organisations in the design and implementation of advanced electronic systems for Defence, Space, and Civilian markets.

Intecs is ISO-9000 certified since 1994. Currently it holds **ISO 9001:2008** quality certification for software development in Defense, Space, and Civilian domains. Moreover, Intecs Defence and ATC Divisions were positively appraised at **CMMI® Maturity Level 3**.

General Information

Location

Courses may be arranged in-house at the customer site upon request.

Contact:

Silvia Mazzini
Intecs SpA
Via U. Forti, 5
Montacchiello (Pisa)
I-56121, Italy
Phone +39 050 9657513
Fax +39 050 9657400
Email: silvia.mazzini@intecs.it
http://www.intecs.it/

intecs
the Brainware company

Ada
The Language for a Complex World
(ANSI/ISO/IEC Standard 8652:1995)

Ada Training
(includes Ada 2005 faetures)

The Ada Programming Language

Ada is a structured, statically typed, imperative, wide-spectrum, and object-oriented high-level computer programming language, extended from Pascal and other languages. It was originally designed by a team led by Jean Ichbiah of CII Honeywell Bull under contract to the

United States Department of Defense (DoD) from 1977 to 1983 to supersede the hundreds of programming languages then used by the DoD. Ada is strongly typed and compilers are validated for reliability in mission-critical applications, such as avionics software. Ada is an international standard; the current version (known as Ada 2005) is defined by joint ISO/ANSI standard (ISO-8652:1995), combined with major Amendment ISO/IEC 8652:1995/Amd 1:2007

The Course

A comprehensive three-day course provides participants with all the major features of the language, including Ada 95 and **Ada 2005** features.

Intended audience

Software Engineers (Development and Verification), Quality Engineers, Configuration Managers, Test Engineers, and Project Managers.

Material

The participants are provided with a printable pdf copy of the course handouts.

Course Outline

Day 1

Introduction to the Ada language

Data types

Statements

Subprograms

Day 2

Packages

Generics

Tasking

Exceptions

Day 3

Input/Output

Low level features

Program structure

Ada 95 and object oriented programming

Ada 2005 features