Ada and Software Engineering Resources
A Presentation for the ACM/SIGAda 2000 Conference, Johns Hopkins University Applied Physics Lab, Laurel, MD

A Set of Websites Available for the Practicing Software Engineer

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### Topics

- Ada and Software Engineering Library
- Ada and Software Engineering Library Bookcase
- Ada-Oriented Website List (intended to provide materials to Ada users)
- Ada-Oriented Organization Website List (intended for the members of an Ada-oriented organization)
- Software Engineering and Reuse Website List
- Further Information

### Disclaimer

This presentation contains a list of selected websites felt to be of particular note by the author. It is by no means a complete list, and the author hopes that no one will be offended if one or more of their favorite sites is omitted. As of the end of September 2000, the links to these sites were checked and found to be operational.

No endorsement is expressed or implied in this presentation. The author has accessed these sites and found them to be useful in addressing his professional needs. The reader must judge for him/herself.
Ada and Software Engineering Library
Walnut Creek CDROM Website

- Best Practices
- Software Engineering Body of Knowledge
- Capability Maturity Models
- Courseware
- Documents, Papers, Newsletters
- Compilers for Ada and C++
- Interpreters for Perl and TCL/TK
- Simulator for VHDL
- Reusable Ada software
- Software Tools
- Bookcase with Website Links

Two identical websites - about 1.3G bytes Available on CDROM

Approved for Public Release
Lockheed Martin Aeronautics Company
Ada and Software Engineering Library
Ada-Oriented Website List

- Ada and Software Engineering (ASE) Library includes the Bookcase with its
  - List of Ada Websites
  - List of Software Engineering and Software Reuse Websites

- URLs of the websites named in this presentation can be found in the ASE Bookcase website lists

- The following lists some Ada websites in the ASE Bookcase

Ada Websites

The following are some useful World Wide Web Server home pages and references related to Ada. Please note that web servers may be moved from site to site readily, so some of these links may break by the time you see them. If this is the case, we apologize (but it is outside of our control), and we will endeavor to keep this list of websites current. Refer to the list of websites on the ASE directories at ftp.freesoftware.com for updates.

Ada and Software Engineering Education Team (ASEET) - http://www.acm.org/ase/adaseet/
ASEET is a dedicated team of Ada and Software Engineering teachers, largely based in the service academies, such as West Point, the Naval Postgraduate School, the Air Force Institute of Technology, and the Air Force Academy.

AdaBasis is a repository of (mostly) free Ada software with pointers to other such repositories and libraries.

Ada Belgium is an organization of volunteers (part of Ada Europe) interested in Ada and based in Belgium.

Ada CETUS List - /techweb/doc/ada.html
This is the CETUS Links entry for Ada.
ASEET is a dedicated team of teachers, largely based in the service academies, such as

- **West Point**
- **Naval Postgraduate School**
- **Air Force Institute of Technology**
- **Air Force Academy**
Ada-Oriented Websites
Ada Basis Library

- A repository of (mostly) free Ada software with pointers to other such repositories
- Largely derived from the Public Ada Library (which has been superceded by the Ada and Software Engineering Library)
Ada-Oriented Websites
CETUS Collection - Ada Section

- Ada section of the CETUS Collection of website links
- Excellent list of links to Ada-oriented websites by subject
Ada-Oriented Websites
Ada Home (Home of the Brave Ada Programmers)

- Resources
- Marketplace
- Ammunition
- Book Store
- Discovery
- Network
- Repository/Library
Ada-Oriented Websites
Ada Information Clearinghouse

- Why Ada? - including FAQs
- Ada-oriented Jobs
- Compilers and Conformance
- News and Events
- Products and Vendors
- Projects and Usage
- Standards and Guidelines
- Resource Library
Ada-Oriented Websites
Ada Internet Resource List

- Links to Ada-oriented
  - Websites
  - Books
  - People
Ada-Oriented Websites
Ada Power

- Ada Lab
- Ada FAQ
- Articles
- Books
- COM/DCOM
- CORBA
- Learn Ada
- Linux
- People
- Reference
- Resources
- Source Code
- Windows
- What and Who is Ada?
- Art Gallery
- Ada Humor
Ada-Oriented Websites
Ada Resource Association (ARA)

- Compilers and Conformance
- Education and Training
- News and Events
- Products and Tools
- Projects and Usage
- Standards and Guidelines
- Virtual Library
Ada-Oriented Websites
Dirk’s Pointers to Ada-Related Information

- Links to websites

Pointers to Ada related information

Ada-Belgium

Several people from the Language Design and Compiler Construction Research Group at the Department of Computer Science are heavily involved in the Ada-Belgium organisation: both as founding members, as current board members (Karel De Vleeschouwer is vice-president), Dirk C Attrup is newsletter editor, and by assisting Ada-Belgium at recent events.
Welcome to the World Wide Web Home Page for ACM SIGAda -- the Special Interest Group on Ada.

Here you'll find information on the SIGAda organization and pointers to current information and resources for the Ada programming language.

SIGAda Chair Ben Brosgol’s STC 2000 presentation

New! Ada in 2000 and Beyond: The State of the Technology

SIGAda 2000 Conference: Ada Technology Update

12 - 16 November 2000

Sponsored by ACM SIGAda

Johns Hopkins University
Applied Physics Laboratory
Laurel, MD, USA
Ada-Oriented Organization Websites

Ada Europe

Ada-Europe

General information

- What is Ada-Europe?
- Associate Member Societies (national Ada organizations)
- How to become a member?
- Statutes:
  - en français (legal basis)
  - in English (for information only)
- Workplan 2000
- History

Future Conferences

- 6th International Conference on Reliable Software Technologies - Ada-Europe 2001
  Belgium, Leuven, May 14-18, 2001

For national conferences and meetings see the Web-pages of the Associate Member Societies.

Previous Conferences
Ada-Oriented Organization Websites
Ada Belgium (Member of Ada Europe)

Welcome to the Web-pages of Ada-Belgium

**NEW** Attend our events! **NEW**

Choose Ada

**The Most Trusted Name in Software**

Ada -- The Reliable Language for a Complex World
Bienvenue sur le serveur Internet d'Ada-France

Ada!

Actualité

- Le site change d'organisation, mais également d'aspect. N'hésitez pas à nous faire part de votre enthousiasme à www@ada-france.org ;-) 
- Jeudi 30 mars à eu lieu la journée Ada et l'enseignement organisée conjointement par Ada-France et SPECIF. Cliquez ici pour le résumé de la journée. Les actes sont disponibles dans "Ressources Ada-France".
- L'Assemblée Générale de l'association Ada-France s'est déroulée ce même jour. Cliquez ici pour le compte rendu de cette AG.

Editorial

Le Conseil d'Administration est heureux de vous annoncer le nouveau site Internet d'Ada-France, entièrement relooké et réorganisé suite aux remarques faites lors de notre dernière réunion le 30 mars 2000. Nous espérons que cette nouvelle apparence vous paraîtra moins austère et la nouvelle structure plus claire quand à la
Ada-Oriented Organization Websites
Ada Germany (Member of Ada Europe)

Ada Deutschland

5th International Conference on Reliable Software Technology
26th - 30th of June, 2006, Potsdam (Berlin) Germany

Preliminary Programme

(The conference programme includes keynote addresses, sessions, papers by the international community on reliable software technologies with contributions from Argentina, Australia, Austria, Canada, China, France, Germany, Italy, Japan, Norway, Spain, Sweden, Switzerland, United Kingdom and the USA.)

Sie wollten doch auch nach Potsdam kommen - oder
Ada-Oriented Organization Websites
Ada in Sweden (Member of Ada Europe)

Welcome to the Ada in Sweden Home Page.

Ada in Sweden is an association concerned with Software Engineering in general and Ada in particular. AiS is a member of Ada Europe.

Information about AiS
Merchandise
Ada related sites
AS-Rev. newsletter

Become a member of AiS
Events
Friends
Ada Manuals (HTML version)

AiS Spring Meeting is on the 13th of April in Uppsala.
Program available in PDF-format.
Invited speakers gave talks awarded best in show at Ada Europe 1999 and SigAda in US 1999!

Click on this symbol to return to this page.

Sponsors of Ada in Sweden:
Ada-Oriented Organization Websites
Ada Switzerland (Member of Ada Europe)

Switzerland

**Ada in Switzerland** organizes two one-day conferences per year and has an email discussion list. Future services and activities will include training seminars.

Membership to Ada in Switzerland can include membership of Ada-Europe too.

"Ada-in-CH-request@glasnept.ch" is the contact address for Ada-in-Switzerland's discussion list, open to members only. Send an email message with "Subject: help" to receive information about subscribing to this mailing list.

The mailing list is intended to be used for:
- technical discussions;
- development of Ada-in-CH activities;
- information on commercial Ada products;
- announcements of Ada-related events, both local and international; and
- general discussions of Ada.

If you have some announcements that may be of interest for the Ada community in Switzerland, feel free to forward them to "Ada-in-CH-request@glasnept.ch", and it will be posted to the mailing list if appropriate.

United Kingdom

**Ada UK** is a non-profit organization which makes itself known at conferences and exhibitions.
Welcome to Ada UK

Ada Language UK Ltd (Ada UK) is a not-for-profit company registered in the United Kingdom. The objectives of the company include promoting the development and use of the Ada language, and representing the needs and interests of its users. Membership is open to anyone, regardless of nationality.

To achieve these objectives Ada UK...
Ada and Software Engineering Library
Software Engineering and Reuse Website List

➤ Ada and Software Engineering (ASE) Library includes the Bookcase with its

  List of Ada Websites
  List of Software Engineering and Software Reuse (SE/SR) Websites

➤ URLs of the websites named in this presentation can be found in the ASE Bookcase website lists

➤ The following lists some SE/SR websites in the ASE Bookcase

Software Engineering and Software Reuse Websites

The following are some useful World Wide Web Server home pages related to Software Engineering and/or Software Reuse. See also the Ada Website collection. Please note that web servers may be moved from site to site readily, so some of these links may break by the time you see them. If this is the case, we apologize (but it is outside of our control), and we will endeavor to keep this list of websites current. Refer to the list of websites on the ASE directories at ftp.freesoftware.com for updates.

Air Force Software Technology Support Center - http://stsc.hill.af.mil/ This is the home of CROSSTALK - The Journal of Defense Software Engineering and a principal sponsor of the annual DoD Software Technology Conference. It offers DoD-oriented consulting and educational services which include, but are not limited to:

- Configuration Management
- Process Technologies
- Project Management
- Software Acquisition
- Software Assurance
Software Engineering and Reuse Websites
Air Force Software Technology Support Center

- Configuration Management
- Process Technologies
- Project Management
- Software Acquisition
- Software Measurement
- Software Quality Engineering and Test
- Systems Engineering and Development
- Technology Adoption

Online Copies of “Crosstalk” Magazine
Software Engineering and Reuse Websites
Appleton Collection

- Component Technology
- Computer Science Departments
- Computer Science Resources
- Groupware
- Human-Computer Interaction
- Object Orientation
- Operating Systems
- Programming Languages
- Software Agents
- Software Engineering
- Software Law
- Software Patterns
- Windowing and GUI
- World Wide Web/Internet

Links to Over 3,000 Websites!
Software Engineering and Reuse Websites
Arcadia Research Project

- Analysis and Testing
- Metrics and Evaluation
- Object Management
- Process Support
- User Interface
- Hypermedia
- Language Processing
- Interoperability

- Sites
  - U Cal, Irvine
  - U Mass, Amherst
  - U Colorado, Boulder
Software Engineering and Reuse Websites
Asset Source for Software Engineering Technology

- Custom Digital Libraries
- World Wide Web Services
- Repository/Library
Software Engineering and Reuse Websites
Association for Computing Machinery

- Professional Organization
- Computer Science orientation
- Over 80,000 members
Software Engineering and Reuse Websites
Association of Shareware Professionals

- Professional Organization
- Entrepreneurs
- Thousands of Members

FOR FREE

ASP Association of Shareware Professionals

What is the Association of Shareware Professionals? Read our Mission Statement and find out! Also view a short Bio on the ASP as well as an informational note that highlights different aspects of the ASP.

Search: Looking for software? Search our PAD Repository! We have hundreds of products listed within. Don't forget to check out our list of download sites as well. If you are an Author be sure to add your PAD file to the repository!
Software Engineering and Reuse Websites
C|Net Central

- News
- Product Reviews
- Repository/Library
- Links to Websites by Topic
- Television and Radio Shows
- Staff of about 500
Software Engineering and Reuse Websites
CETUS Collection

- Links to software development and engineering websites organized in a hierarchy
Software Engineering and Reuse Websites
Configuration Management Today Yellow Pages

- Links to Configuration Management resources

Evaluating CM Tools?
Software Engineering and Reuse Websites
DARPA Information Technology Office

- Computer systems architectures
- Software technology
- Common interoperable services
- Scalable networking technologies
- System architecture
- Mobile computing and networking
- System management and distributed information technologies
- Security and survivability technologies
- Large-scale design and integration
Software Engineering and Reuse Websites
Defense Information Infrastructure Reuse Initiative

- Information Clearinghouse on Software Reuse
Software Engineering and Reuse Websites
Data & Analysis Center for Software and the DoD Software Information Clearinghouse

- Cleanroom
- Client/Server Architectures
- Collaborative Software Engineering
- CASE
- Configuration Management
- Cost Estimation
- Data Mining
- Electronic Business Practices
- Inspections
- Intranets
- Process Improvement
- Programming Languages
- Requirements Engineering
- Reuse
- much more
Software Engineering and Reuse Websites
Fraunhofer Institute for Experimental Software Engineering

- Software Engineering Research
- “SEI of Europe”
Software Engineering and Reuse Websites
Institute of Electrical and Electronics Engineers

- Professional Society for Electrical and Computer Engineers (including Software Engineers)
Software Engineering and Reuse Websites
International Standards Organization

- World-wide federation of standards bodies from 130 countries
Software Engineering and Reuse Websites
Microsoft

- Main Entry Point for the Microsoft Web Farm which Supports:
  - Sales
  - Developers
  - Customers
  - Certification and Training
  - Research
Software Engineering and Reuse Websites
Microsoft Developer’s Network (MSDN)

➢ Network for Microsoft Technology Users and Developers

➢ Free and Funded Developer Activities and Support

➢ Tools

➢ Downloads

➢ Education and Training

➢ Support

➢ Available online or through a monthly CDROM or DVD distribution
Software Engineering and Reuse Websites
Microsoft Research

Four Research Centers
- Redmond, WA
- San Francisco, CA
- Cambridge, U.K.
- Beijing, China

Some Topics
- Interactivity and Intelligence
- Systems and Architecture
- Programming Tools and Techniques (includes Software Engineering)
- Mathematical Sciences
Software Engineering and Reuse Websites
The MITRE Corporation

- Three Federally-Funded Research and Development Centers
  - DoD Command, Control, Communications, Computers, and Intelligence
  - Federal Aviation Administration
  - Internal Revenue Service and Treasury Department
Software Engineering and Reuse Websites
National Institute of Standards and Technology

- Standards body for the United States, sponsored by the Department of Commerce
Software Engineering and Reuse Websites
Programmer's Heaven

- Links to Software Development and Engineering websites
- Repository/Library
Sells products and services for improving Software Engineering practices
Software Engineering and Reuse Websites

SIMTEL.NET

- World-Wide network for Windows and MSDOS shareware and freeware
Software Engineering and Reuse Websites
Software Engineering Section of Galaxy

- Links to Software Engineering websites
Federally-Funded Research and Development Center under the DoD to advance the practice of software engineering
Software Engineering and Reuse Websites
Software Engineering Resource List

Links to Software Engineering websites

A Software Engineering Resource List

Maintained by the IIT Software Engineering Group
February 18, 1998.

There are pointers to some of the pages from around the WWW that have caught our
attention. A listing or omission from this page neither constitutes an endorsement nor a
slight. These are simply pages we have encountered while travelling the information
highway. We hope other software engineers will find these resources useful. While every
effort will be made to keep these links up to date, they are not our pages. The Software
Engineering Group is not responsible for what happens at the other end of the link. Titles
(paired with a *) shown in bold were verified at the date shown above. Titles in plain
text existed at one time, but we have been unable to connect recently. Enjoy!

Software Engineering Indices
Software Engineering and Reuse Websites
Software Productivity Consortium

- Provider of reduced-to-practice technology for the development of systems and software
- Over 60 member companies and organizations
Manager support organization to support large-scale software-intensive development and maintenance projects

Supported by Congress
Software Engineering and Reuse Websites
The Reuse Group

- Links to Reuse-oriented websites
- Sells services to support reuse efforts
Subset of the IEEE dedicated to help advancing software engineering research and practice.
Software Engineering Research, particularly Process and Economics
Software Engineering and Reuse Websites

Walnut Creek CDROM

- Supports web-based repositories and libraries of software in many subject areas, including the ASE Library
- Sells CDROMs of these repositories and libraries
- About 500G bytes of material
Further Information

- Ada and Software Engineering (ASE) Library websites:
  - http://unicoi.kennesaw.edu/ase/

- The ASE Bookcase (in the ASE Library) contains links to and more detailed descriptions of the websites mentioned in this presentation

- Contacting me: Richard.L.Conn@lmco.com