

Position Papers By Topic

Organization Issues

Kevin M. Benner
Tradeoffs in Packaging Reusable Assets
Andersen Consulting

Patricia Collins and Barbara Zimmer
Evolutionary Metrics Adoption Method for Reuse Adoption
Hewlett Packard Software Initiative

David Dikel, Carol Terry, David Kane, and Bill Loftus
A Case Study of Software Architecture Life Cycle
Applied Expertise

W. (Voytek) Kozaczynski
Concerns of a Reusable Assets Broker
Andersen Consulting

Fred Maymir-Ducharme
Domain Engineering - Varying Rationales & Approaches
USAF Cards / Loral Defense Systems

Aarne Ylä-Rotiala
How to convince the management?
Nokia Telecommunications

Domain Processes and Engineering

Sidney Bailin
Difference-Based Engineering
CTA Incorporated

Eric Booth
RAMP: A Reusable Application Module Process
Computer Sciences Corporation

Shirley Browne, Jack Dongarra, Geoffrey Fox, Ken Hawick, and Tom Rowan
Software Reuse in High Performance Computing
University of Tennessee

David Eichmann and Carl Irvinig
Life Cycle Interaction in Domain/Application Engineering
University of Houston - Clear Lake

Marilyn Gaska
Reuse Lessons Learned from Architecture and Building Systems Integration
Loral Federal Systems - Owego

Domain Processes and Engineering (continued)

Scott Henninger
Accelerating Successful Reuse Through the Domain Lifecycle
University of Nebraska-Lincoln

Craig Hollenbach and Bill Frakes
Software Process Reuse
Virginia Tech

T.P. Kelly and B.R. Whittle
Applying Lesson Learnt from Software Reuse to Other Domains
University of York

Domain Products, Architectures, and Representations

Dean Allemang and Beat Liver
Functional Representation for Reusable Components
Swiss Telecom PTT

Jorge L. Diaz-Herrera, Sholom Cohen and James Withey
Institutionalizing Systematic Reuse: A Model-Based Approach
Software Engineering Institute

Sadie Legard
The Impact of Technological Change on Domain Specific Software Architectures
UMIST

Heinrich C. Mayr
Conceptual Predesign: A Platform for the Reuse of Requirements Specifications
Universitat Klagenfurt

Carma McClure
Model Driven Domain Analysis
Extended Intelligence, Inc.

Walaa-Eldeen Mohamed
Specification Reuse via Homogeneous Interpretation of Concepts
University of North London

Muthu Ramachandran
Domain-specific Software Architecture Based On A Building Block Method
Philips Research Labs

Mark Simos
*Domain Modeling Techniques for Representing Commonality and Variability:
Towards a Comparative Framework*
Organon Motives

Anh Ta and Duane W. Hybertson

A Domain Framework: A Basis for Enhancing Reuse Among Domains
The MITRE Corporation

Domain Products, Architectures, and Representations (continued)

Kevin Wentzel

A Conceptual Framework For Evaluating Domain-Specific Kits

Hewlett-Packard Laboratories

B.R. Whittle

Reusing Requirements Specifications: Lessons Learnt

Rolls-Royce University Technology Centre

Micro-Architecture Issues

Ted Biggerstaff

Second Order Reusable Libraries and Meta-Rules for Component Generation

Microsoft Research

Paolo Bucci

A Program Editor to Promote Reuse

The Ohio State University

Prem Devanbu and Sakke Karstu

Measuring the benefits of Software Reuse

AT&T Bell Laboratories

Stephen Edwards

Good Mental Models are Necessary for Understandable Software

The Ohio State University

Joseph Hollingsworth and Bruce Weide

One Architecture Does Not Fit All: Micro-Architecture Is As Important As Macro-Architecture

Indiana University Southeast

Larry Latour and Liesbeth Dusink

Functional Fixedness in the Design of Software Artifacts

University of Maine and Delft University of Technology

Beat Liver and Dean Allemang

Trade-off between Flexibility and Efficiency in Recombining Reusable Components

Swiss Telecom PTT

F. Luís Neves and José Oliveira

Software Reuse by Model Reification

Campus de Gualtar, Braga,, Portugal

Murali Sitaraman, David Fleming, John Hopkins, and Sethu Sreerama

Why (Not) Reuse (Typical) Code Components?

West Virginia University

OO Issues

Robert Biddle and Ewan Tempero
Understanding OOP Language Support for Reusability
Victoria University of Wellington

Greg Butler (with Peter Grogono, Li Li, Rajjan Shighal, and Ono Tjandra)
Design Deltas in Reusable Object-Oriented Design
Concordia University

Martin Griss
The Architecture and Processes for a Systematic OO Reuse Factory
Hewlett Packard Laboratories

Ralph E. Johnson
Why Doesn't the Reuse Community Talk About Reusable Software?
University of Illinois

William Opdyke
Refactoring Object-Oriented Software to Support Evolution and Reuse
AT&T Bell Laboratories

Jeffrey Poulin
Measuring the Level of Reuse in Object-Oriented Development
Loral Federal Systems

Don Roberts and John Brant
Supporting Framework Evolution with Refactorings
University of Illinois

Libraries, Tools and Environments

Margaret (Maggie) J. Davis
Representing Domain Models Graphically
Boeing Defense & Space Group

Elke Hochmuller
Software Reuse - it's TEA - time!
Universitat Klagenfurt

Ernesto Guerrieri
Enhancing the Use of Domain Analysis
Digital Equipment Corporation

Pertti Jauhiainen
Support for systematic reuse
Ellemtel Telecommunications Systems Laboratories

Rebecca Joos
Putting Reuse in its Place 10X Cycle Time Reduction Plan

Motorola

Libraries, Tools and Environments (continued)

Wayne Lim

Applying Cluster Analysis to Software Reuse

António Nestor Ribeiro and Fernando Mário Martins

A Fuzzy Query Language for a Software Reuse Environment

INESC / Universidade do Minho

Robert Haddon Terry, Margaretha Price, and Louann Welton

Standardized Software Classification in the World Wide Web

MountainNet Inc.