

# Table of Contents

## Introduction and Motivation

On the Status of Learning Software Organizations in the Year 2001.....	2
<i>Raimund L. Feldmann, Klaus-Dieter Althoff</i>	

## Keynote Addresses and Panel

Keynote Address: Organizational Learning in Dynamic Domains .....	8
<i>Presenter: Scott Henninger</i>	
Keynote Address: How Do Companies Learn? Selected Applications from the IT Sector.....	17
<i>Presenter: Franz Lehner</i>	
Panel: Knowledge Creating Communities.....	18
<i>Panel Chair: Dietmar Janetzko</i>	

## Planning LSOs

The Organic and the Mechanistic Form of Managing Knowledge in Software Development.....	22
<i>Ralph Trittman</i>	
CORONET-Train: A Methodology for Web-Based Collaborative Learning in Software Organisations .....	37
<i>Dietmar Pfahl, Niniek Angkasaputra, Christiane M. Differding, Günther Ruhe</i>	
Supporting Knowledge Management in University Software R&D Groups.....	52
<i>Christiane Gresse von Wangenheim, Daniel Lichtnow, Aldo von Wangenheim, Eros Comunello</i>	

## Applications

Organisational Learning and Software Process Improvement: A Case Study.....	68
<i>Judith Segal</i>	

Collaboration Support for Virtual Data Mining Enterprises..... 83  
*Angi Voß, Gernot Richter, Steve Moyle, Alípio Jorge*

Skills Management as Knowledge Technology  
in a Software Consultancy Company ..... 96  
*Torgeir Dingsøy, Emil Røyrvik*

## **Analysis**

Lessons Learned about Structuring and Describing Experience  
for Three Experience Bases..... 106  
*Mikael Lindvall, Michael Frey, Patricia Costa, Roseanne Tesoriero*

Knowledge Elicitation through Web-Based Data Mining Services..... 120  
*Shonali Krishnaswamy, Seng Wai Loke, Arkady Zaslavsky*

A Model for Analyzing Measurement Based Feedback Loops  
in Software Development Projects ..... 135  
*Claus Lewerentz, Heinrich Rust, Frank Simon*

## **Learning**

Process-Integrated Learning:  
The ADVISOR Approach for Corporate Development ..... 152  
*Philipp Starkloff, Katja Pook*

Task-Specific Knowledge Management in a Process-Centred SEE..... 163  
*Harald Holz, Arne Könecker, Frank Maurer*

Computer-Supported Reuse of Project Management Experience  
with an Experience Base ..... 178  
*Matthias Brandt, Markus Nick*

## **Additional Papers: LSO 2001 Posters**

The Integrated Corporate Information Network iCoIN:  
A Comprehensive, Web-Based Experience Factory..... 192  
*Björn Decker, Andreas Jedlitschka*

Reuse of Measurement Plans Based on Process and Quality Models ..... 207  
*Christiane M. Differding*

Engineering Experience Base Maintenance Knowledge ..... 222  
*Markus Nick, Klaus-Dieter Althoff*

**Announcements**

Announcement of LSO Discussion Forum..... 238

Announcement for LSO 2002 ..... 239  
*Workshop Chair: Scott Henninger*

**Author Index**..... 241



<http://www.springer.com/978-3-540-42574-8>

Advances in Learning Software Organizations  
Third International Workshop, LSO 2001, Kaiserslautern,  
Germany, September 12-13, 2001. Proceedings  
Althoff, K.-D.; Feldmann, R.L.; Müller, W. (Eds.)  
2001, XII, 248 p., Softcover  
ISBN: 978-3-540-42574-8