



The Joint Course on Software Engineering: Past, Present, and Future

Klaus Bothe

3rd Workshop Software Engineering Education and Reverse Engineering, Ohrid, Macedonia, 2003

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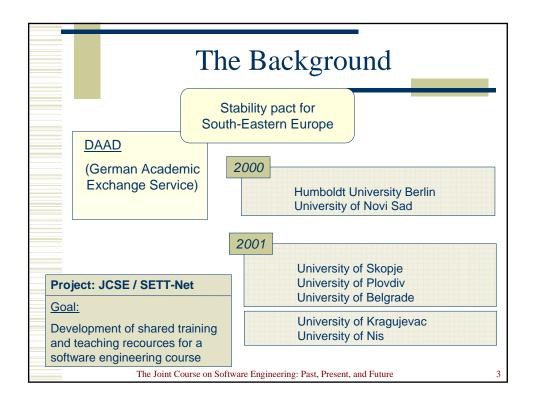
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The purpose of this presentation

- Summary of our past and present activities concerning the joint course
- Summary of the contributions to the course
- Proposals of future work

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Essential tasks of the joint course Introduction of a software engineering course in South Eastern Europe Creation of a joint software engineering course Development of training and teaching materials: slides, case studies, assignments, examinations, literature ... Providing a basis of future research cooperation The Joint Course on Software Engineering: Past, Present, and Future 4

Workshops

Sep. 2001: 1st Workshop Software Engineering Education and Reverse Engineering, Novi Sad

Sep. 2002: 2nd Workshop Software Engineering Education and Reverse Engineering, Plovdiv

Aug. 2003: 3rd Workshop Software Engineering Education and Reverse Engineering, Ohrid

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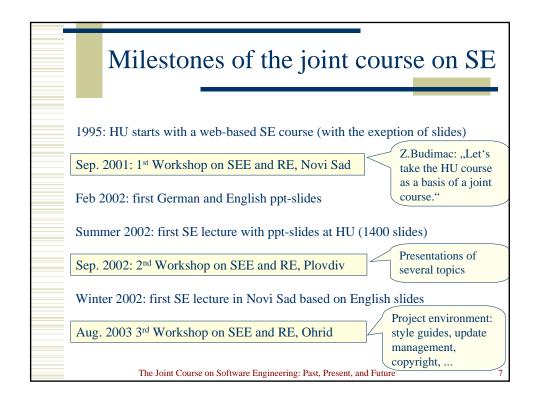
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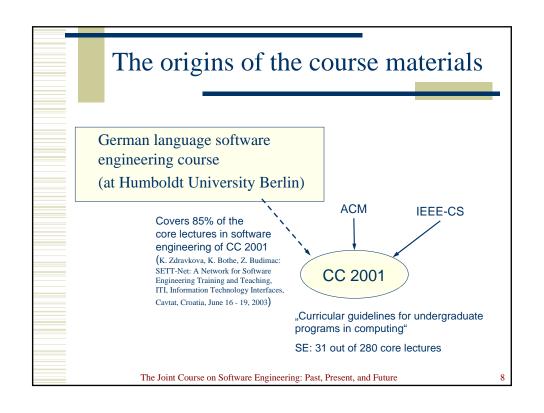
Past and present:

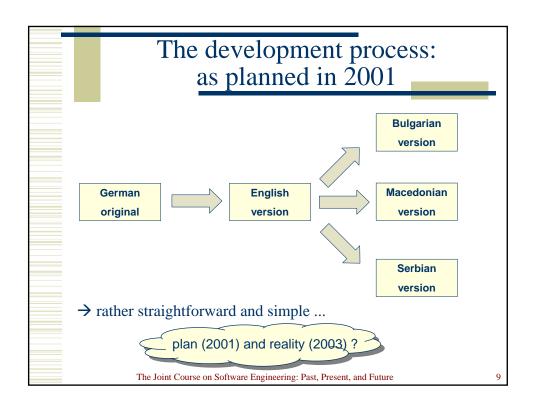
The general development process of our course materials

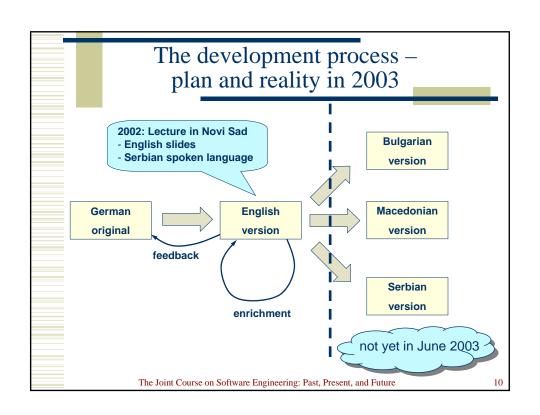
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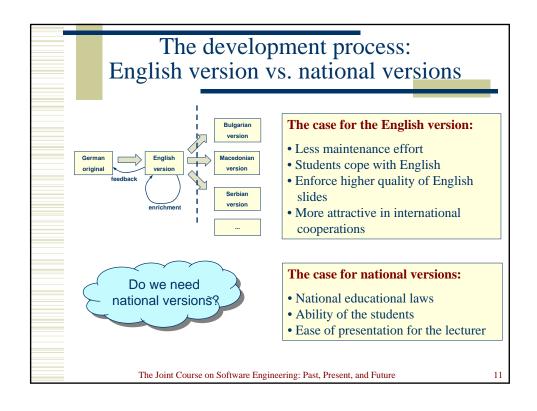
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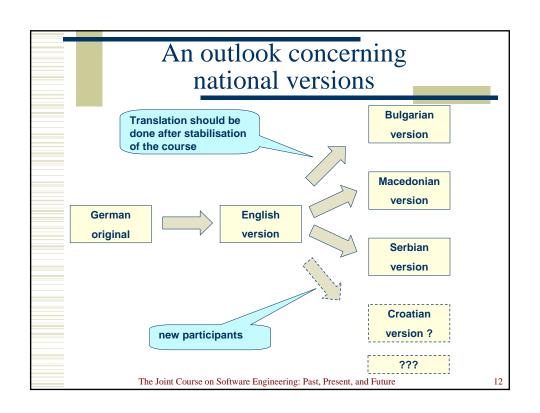




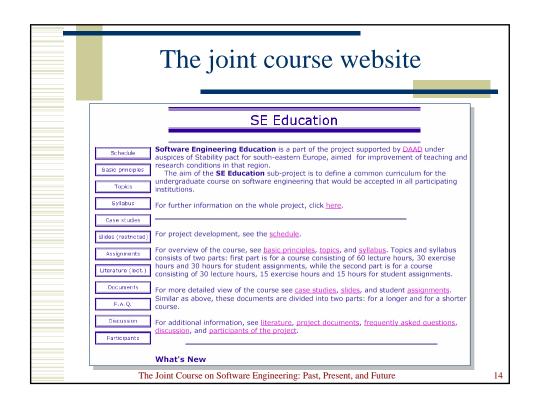


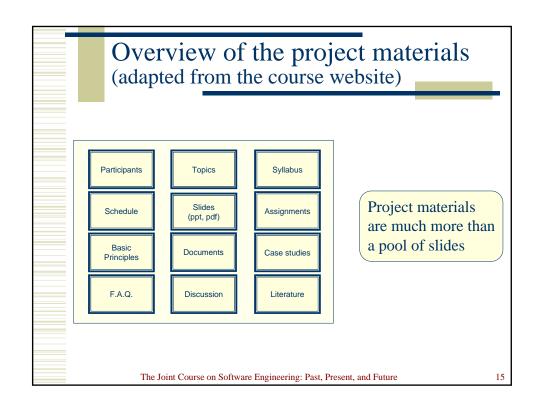


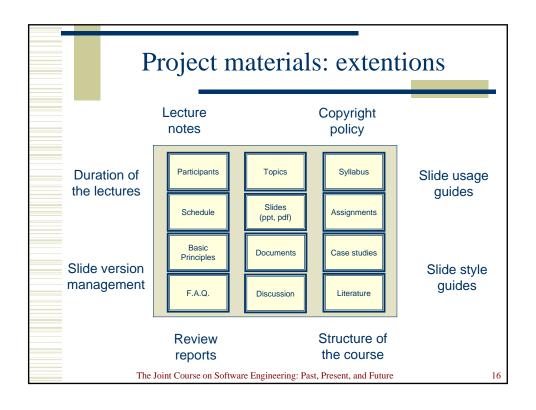


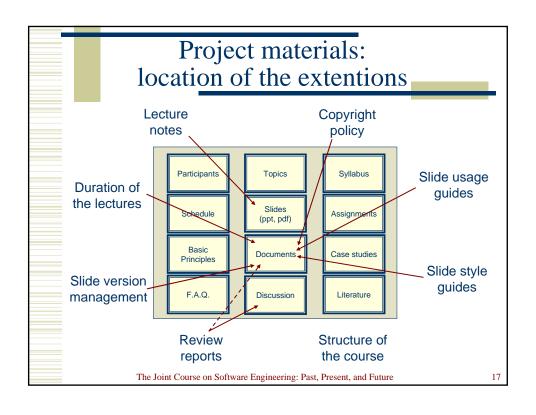


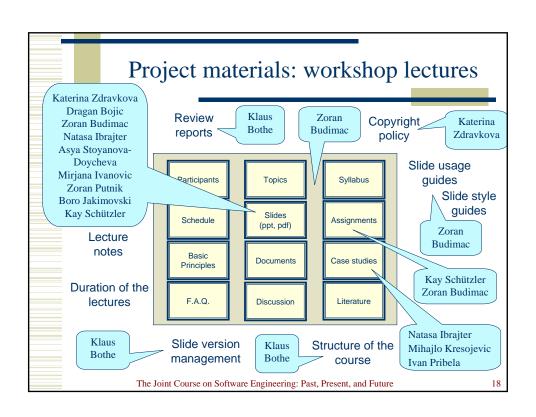
Past and present: Overview of involved course materials The Joint Course on Software Engineering: Past, Present, and Future 13

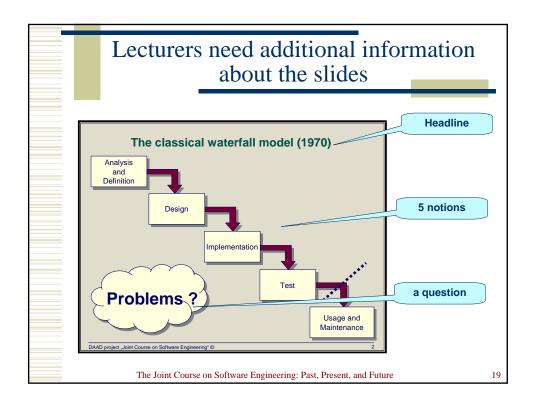


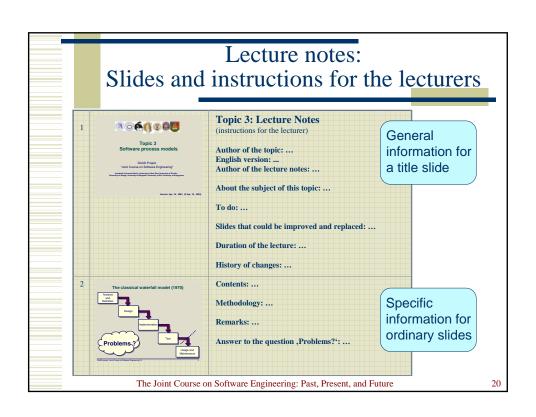


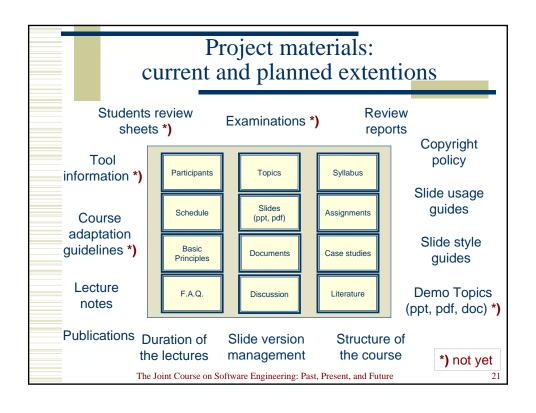


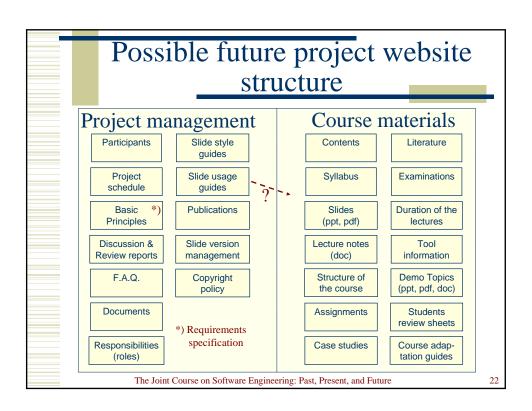




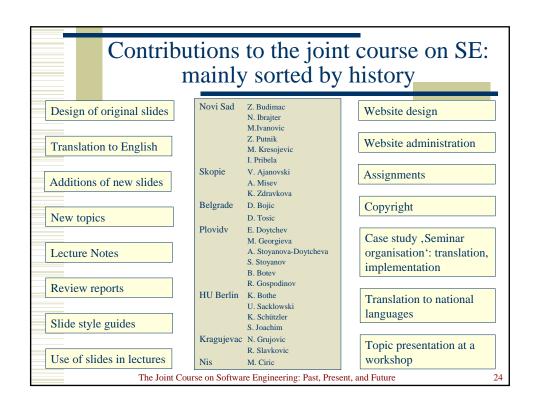


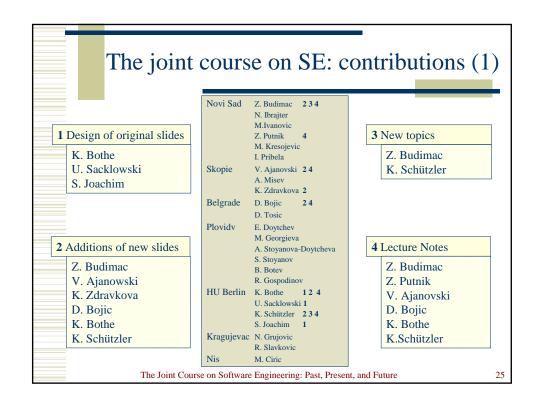


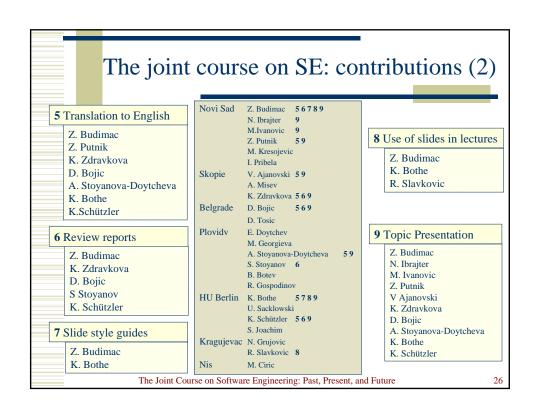


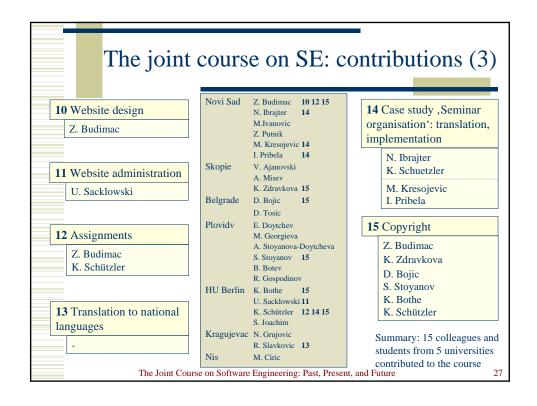


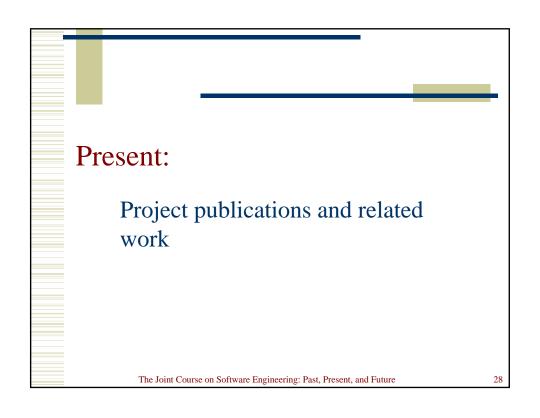
Past: Contributions to the course materials The Joint Course on Software Engineering: Past, Present, and Future 23











Publications

- K. Zdravkova, K. Bothe, Z. Budimac: SETT-Net: A Network for Software Engineering Training and Teaching, ITI, Information Technology Interfaces, Cavtat, Croatia, June 16 - 19, 2003
- K. Zdravkova, K. Bothe, Z. Budimac:
 The structure of SETT-Net, Eurocon 2003, Ljubljana, Slovenia, Sept. 22 24, 2003
- K. Bothe, K. Schuetzler, Z. Budimac, K. Zdravkova, D. Bojic, S. Stoyanov: Technical and Managerial Principles of a Distributed Cooperative Development of a Multi-Lingual Educational Course,

1st Balkan Conference in Informatics, Thessaloniki, Nov. 21 - 23 2003

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Related projects

Fields:

- SE course export
- Joint SE course material
- Offer for distance education in SE

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Related projects: SE course export – presented at ITI 2003 (Cavtat)

 Saunders, B.: "Delivering an undergraduate course to a cross-cultural market using the world wide web"

London
Metropolitan
University

pool of modules
(courses)

University of
Hong Kong

 Crnkovic, I. et all: "On the teaching of distributed software development"

Mälardalen University, Sweden

course "Distributed SW development"

University of Zagreb

"As software engineering

the inclusion of software engineering concepts into

undergraduate courses."

educaters, we are all too aware of how difficult it is to start from

scratch. In particular, the lack of

examples, teaching materials, and

exercises can significantly impede

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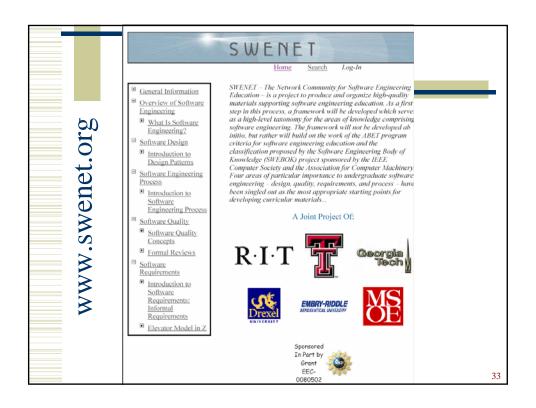
Related projects: Joint SE course material

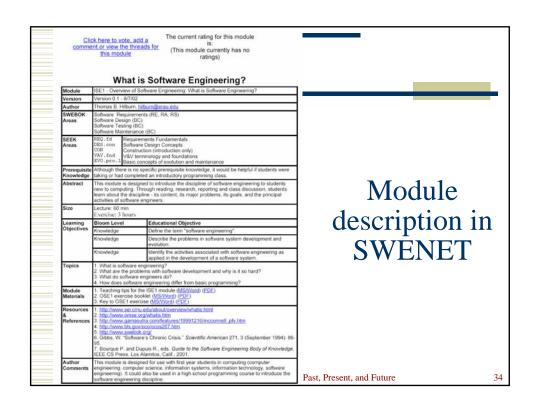
SWENET project:

- CSEET 2003, Madrid:
 - Software Engineering Course Maeterials Workshop
- Participants:
 - Rochester Institute of Technology
 - Georgia Institute of Technology
 - Texas Tech University
 - Milwaukee School of Engineering
 - Drexel University Philadelphia
 - Embry-Riddle Aeronautical University
- Goals:
 - Create, collect, and share SE course materials
- Supported by NSF Grand EEC-0080502

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Related projects: Offer for distance education in SE

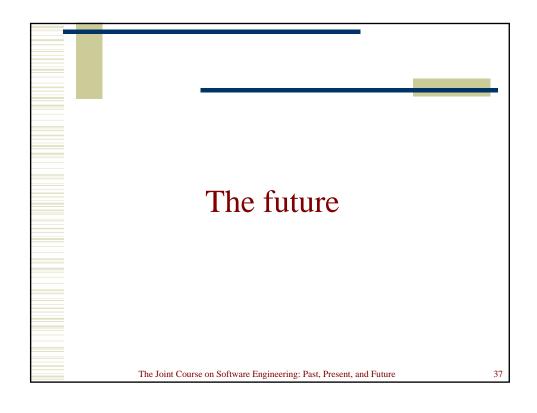
ISEUC project:

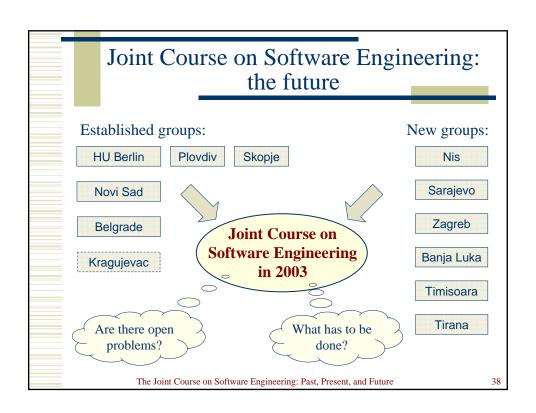
- CSEET 2002, Kentucky (K. Modesitt)
- International Software Engineering University Consortium
- 35 members from Australia, Canada, U.K., USA
- Online courses for distance learning
- Primary market:
 - Corporations that employ software professionals

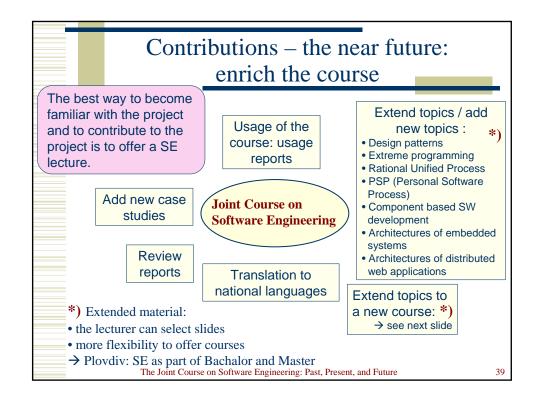
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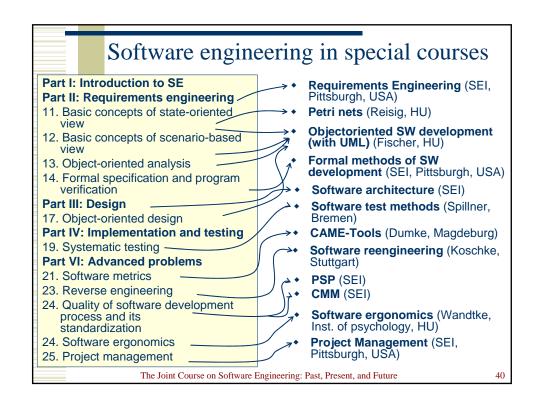
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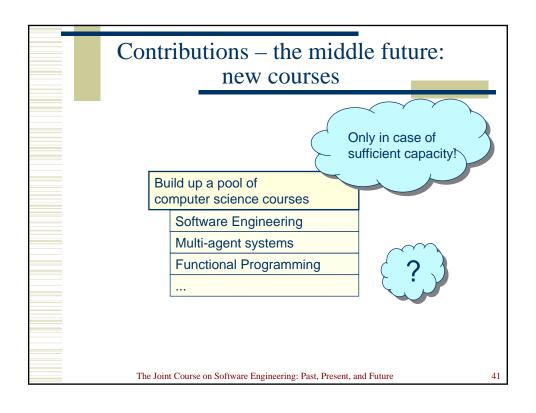
Computer and Information Science International Software Engineering University Consortium (ISEUC) - Collaboration Proposal The University of Oncomband in Brichanc, as a sample of collaboratory - click download to get the file - Photos from some ISEUC member visits - ISEUC Catalog of Courses - click download to get the file - ISEUC Catalog of Courses - click download to get the file - ISEUC Tation - "Academic Software Engineering: What Is and What Could Be? Results of First Annual Survey, for International St. Programs: [presented at the International Conference of Software Engineering in Townstoon Map. 16, 2001] - click download to get the file - Software Engineering in Townstoon Map. 16, 2001] - click download to get the file - Software Engineering Consortium - Respect for Proposal International Software Engineering University Consortium - Respect for Proposal International Software Engineering University Consortium - Respect for Proposal International Software Engineering University Consortium - Respect for Proposal International Software Engineering University Consortium - Respect for Proposal International Software Engineering University Consortium - Respect for Proposal International Software Engineering Software - click download to get the file - Lessons Learned; based on Input from universities slighted - click download to get the file - ISEUC Member Universities and Industry, Development Sites - Proposettive Members of ISEUC, Development Sites - Proposettive Members of ISEUC, Development Sites - Proposettive Members of Iseu Consortium Engineering Survey of Universities - Mondel-Wide, and Inmided by Acceled on Software Engineering Survey of Universities - Mondel-Wide and Inmided by Acceled and Industry Development Sites - Mondel-Wide and Inmided by Acceled and Industry Development Sites

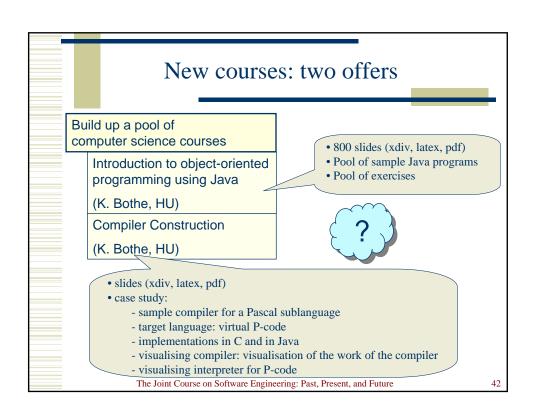


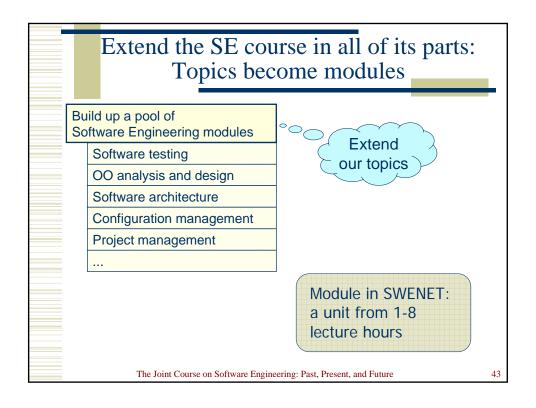












What belongs to the knowledge of SE? SEI SE curriculum modules CC 2001 from IEEE-CS & ACM SWEBOK Software Engineering Body of Knowledge from IEEE-CS & ACM http://www.swebok.org

