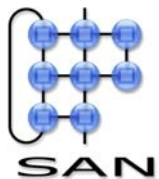


Concepts of Distributed Systems 2006/2007

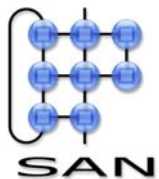
Organization

Johan Lukkien



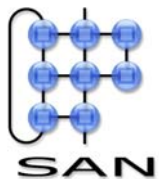
Organization

- 11 sessions of max ½ day
 - on time!!
 - see schedule on the site
 - 2Q341 from www.win.tue.nl/san, branch education
- 6 lectures, 8 presentations
 - present an article on a subject
 - there will be set of topics/articles present
 - (possibly) present some results from the practical
- An essay on a different topic than the presentation
 - choose a recent article from a distributed system conference or journal
- Practical
 - combined with Real-Time Systems
 - 2 groups
 - single system, several contributions



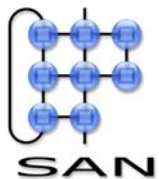
Organization (cnt'd)

- Organize in groups
- Choose an article
 - groups of 2
 - 3 only as an exception
- Choose a topic and article to write an essay on
 - mail me your choice, including (a ref. to) the article
- Lower priority:
 - organize into two groups for the final
 - make the division reasonable
 - distribute experience, knowledge, capabilities, friendships



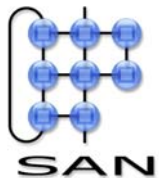
Programme

- Introduction & overview
- Communication
- Distributed OS & Processes
- (Naming)
- Synchronization
- Security
- Consistency
- (Fault Tolerance)



Literature

- Mandatory:
 - [van Steen 2002] A.S. Tanenbaum, M. van Steen, *Distributed Systems, Principles and Paradigms*, Prentice-Hall, 2002.
- Other
 - [Barbosa 1996] Valmir C. Barbosa, *An Introduction to Distributed Algorithms*, MIT-Press, 1996.
 - [Coulouris 2005] George Coulouris, Jean Dollimore, Tim Kindberg, *Distributed Systems, Concepts and Design*, Addison-Wesley 2005.
 - [Mullender 1993] Sape Mullender (ed.), *Distributed Systems*, Addison-Wesley, 1993.
 - [Tel 1994] Gerard Tel, *Introduction to Distributed Algorithms*, Cambridge Univ. Press, 1994.
 - [Verissimo+ 2001] Paulo Veríssimo and Luís Rodrigues, *Distributed Systems for System Architects*, Kluwer 2001.



Slide inputs

- Michel Chaudron, previous teacher
- Maarten van Steen
 - from website of the book
 - http://www.prenhall.com/divisions/esm/app/author_tane_nbaum/custom/dist_sys_1e/index.html
 - from the course page in A'dam

