



Kristapa Džonsona 2 dienu lekciju cikls

A GENTLE INTRODUCTION TO CONCURRENT COMPUTING

"A Gentle Introduction to Concurrent Computing" explores the computer science and mathematics of concurrency. We'll survey the domain of concurrent environments and consider how they relate in theory and in practice to problem classes. Participants should ideally have an understanding of traditional von Neumann machines, algorithm analysis and modern hardware architectures. At the lectures' close, participants should have an understanding of the steps required to implement concurrent solutions, with a high-level knowledge of available utilities and environments.

Contents:

- i. Introduction
- ii. A Taxonomy of Concurrent Environments (90 minutes)
"A survey of concurrent hardware grouped taxonomically."
- iii. Practical Concurrency (90 minutes)
"Tools and software environments for concurrent systems."
- iv. The Theory of Concurrency (90 minutes)
"Concurrency modelling and algorithm analysis."
- v. Practical Concurrency (90 minutes)
"Examples and case studies."

BalticGrid vasaras skolas ietvaros **2007.gada 4. un 5.jūlijā no plkst. 10:00-13:00** visi interesenti aicināti Latvijas Universitātes Matemātikas un informātikas institūta (Raiņa bulv. 29) **413.auditorijā**.

