

# Software Intensive Systems

(Capita Selecta in Software Engineering)

(Wednesday, October 27th 2010 — Artemis/ITEA)

Monday, November 15th, 2010

Monday, November 22nd, 2010



# Why (Software) Engineering ?

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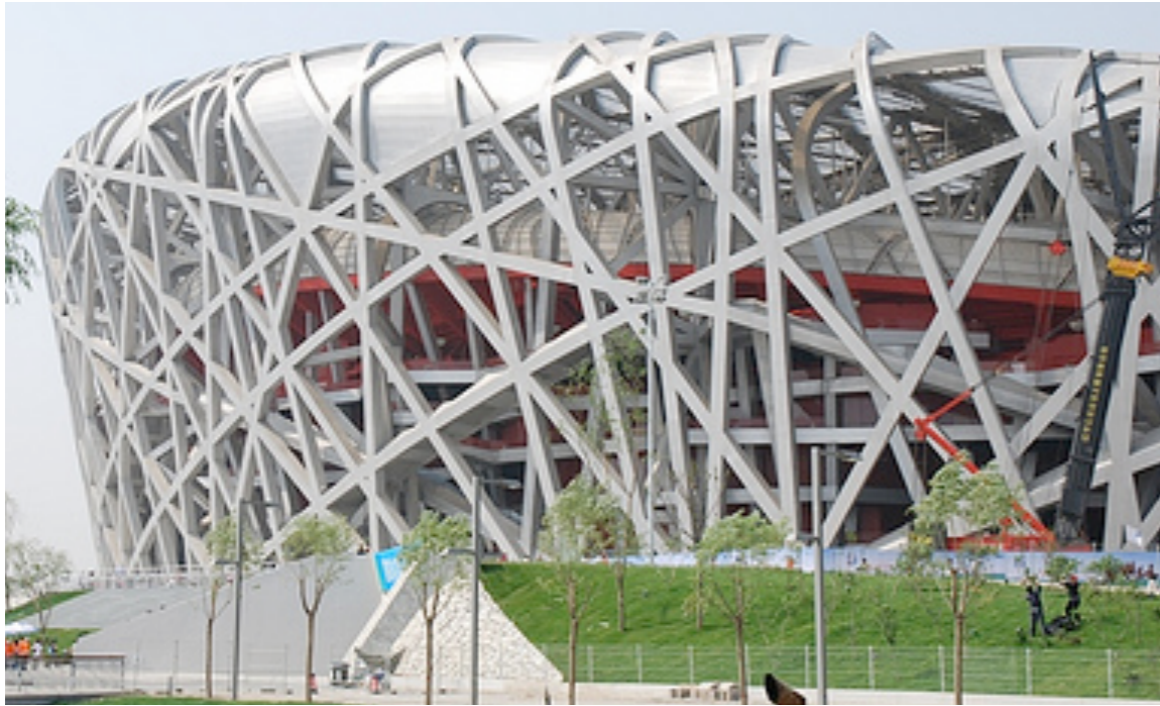


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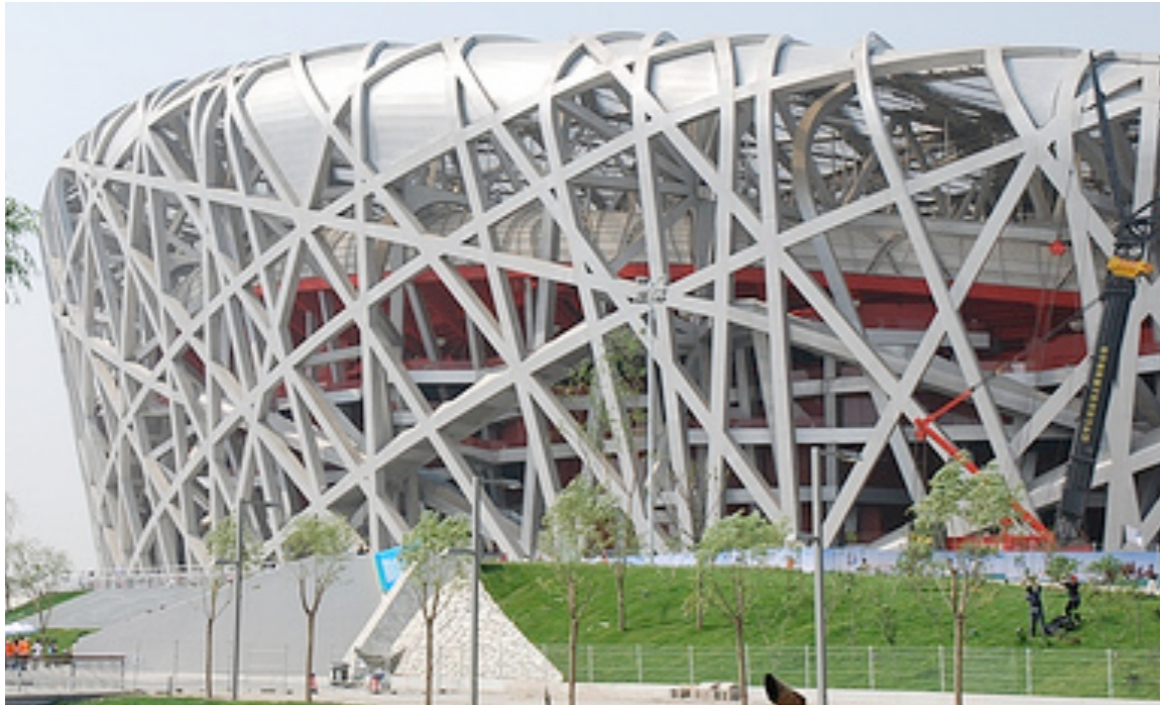


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# Program

## November 15th, 2010

### Engineering for High Reliability

- 15:00 - 15:15  
Introduction to Software Intensive Systems (Prof. Serge Demeyer)
- 15:15 - 16:45  
High Availability@KBC (Peter Praet, KBC ICT Services; the ICT branch of the KBC group)
- 16:45 - 18:15  
Developing A Fast Changing Software Product (Mark Plas, MediaGenix; producer of software for managing TV-broadcasting)
- 18:15 - 19:00  
Start up of exam project: Modelling for Automotive (Joachim Denil, KdG).

## November 22nd, 2010

### Engineering for Automotive Systems

- 15:00 - 15:15 -- Introduction to Software Intensive Systems (Prof. Serge Demeyer)
- 15:15 - 16:45 -- Zen and the art of safety engineering (Eric Verhulst, Altreonic; Producer of OpenComRTOS)
- 16:45 - 18:15 -- Developing SW that drives machines (Klaas Gadeyne, Flanders Mechatronics Technology Centre)
- 18:15 - 19:00 -- Preparation of exam project: Modelling for Automotive (Joachim Denil, KdG).



# House Rules

## LECTURES

- 1.5 hour lectures
  - 5 minutes (bio-)break halfway
  - immediate switch over between lectures
- Ask questions \*during\* lectures
- Answer written questions \*after\* lectures

## PROJECT

- Model ABS brake system
  - simulate behaviour
  - estimate processor capacity
- Project assignments (incl report)  
*Friday, April 29, 2011, 18h00*
  - = last day of easter holidays
  - = deadline VeriFast project