

# CHR 2013 Summer School Program

## Day 1 - Monday 08.07

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1. Introduction to CP and Modeling a Constraint Problem (2h), Slim Abdennadher
2. Consistency Techniques and Constraint Reasoning (2h), Carmen Gervet
3. Constraint-Based Scheduling (2h), Armin Wolf

\*\*\* CP lab (2h)

## Day 2 - Tuesday 09.07

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4. Introduction to CHR (2h), Thom Fruehwirth

\*\*\* CHR lab 1 (2h)

\*\*\* Free afternoon for social activity

## Day 3 - Wednesday 10.07

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5. Implementing Constraint Solvers using CHR (4h), Slim Abdennadher and Thom Fruehwirth
6. Analysis of CHR Solvers (2h), Slim Abdennadher

\*\*\* CHR lab 2 (2h)

## Day 4 - Thursday 11.07

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7. Abductive Reasoning and Language Processing with CHR (4h), Henning Christiansen
8. Probabilistic CHR: CHRiSM (2h), Jon Sneyers

**Sessions starting here overlap with the 10th CHR Workshop Sessions:**

9. ASV Roboat - an autonomous sailing boat for ocean monitoring and its long-term routing (2h), Roland Stelzer and Jon Sneyers

## Day 5 - Friday 12.07

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10. Confluence Analysis of CHR Programs (2h), Hariolf Betz
11. Optimizing Compilation of CHR (2h), Jon Sneyers
12. Source to Source Transformation for CHR (1h), Nada Sharaf
13. Parallel Execution of CHR on a Graphical Processing Unit (1h), Amira Zaki

## Day 6 - Saturday 13.07: 10th CHR Workshop continues - see workshop program

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