

October 31, 2012

COMPUTE course, fall 2012: Monte Carlo and Molecular Dynamics Tools

Projects

- P1 Write a parton shower
Torbjörn Sjöstrand (TS)
- P2 Markov chain Monte Carlo simulation of protein fibril formation
Anders Irbäck (AI)
- P3 Stellar populations within clusters
Melvyn B. Davies (MBD)
- P4 Monte Carlo simulation of photon interactions with matter
Michael Ljungberg (ML)
- P5 Molecular simulations
Erik Wernersson (EW)
- Px A somewhat longer project in one of the five areas above, to be presented orally

Schedule

- Nov 5–9
Monday, 10.15–12.00: lecture (TS)
Tuesday, 10.15–12.00: lecture (TS)
Wednesday, 10.15–12.00: lecture (AI)
Thursday, 10.15–12.00: lecture (AI)
- Nov 12–16
Monday, 13.15–15.00: lecture (TS)
Tuesday, 13.15–15.00: lecture, start P1 (TS)
Wednesday, 13.15–14.00: supervision P1 (TS)
Friday, 17.00: deadline P1 report
- Nov 19–23
Monday, 13.15–15.00: lecture (AI)
Tuesday, 13.15–16.00: feedback P1 (TS); lecture, start P2 (AI)
Wednesday, 13.15–14.00: supervision P2 (AI)
Friday, 17.00: deadline P2 report

- Nov 26–30
 - Monday, 13.15–15.00: lecture (MBD)
 - Tuesday, 13.15–16.00: feedback P2 (AI); lecture, start P3 (MBD)
 - Wednesday, 13.15–14.00: supervision P3 (MBD)
 - Friday, 17.00: deadline P3 report
- Dec 3–7
 - Monday, 13.15–15.00: lecture (ML)
 - Tuesday, 13.15–15.00: lecture, start P4 (ML)
 - Wednesday, 13.15–14.00: supervision P4 (ML)
 - Friday, 14.15–15.00: feedback P3 (MBD)
 - Friday, 17.00: deadline P4 report
- Dec 10–14
 - Monday, 13.15–15.00: lecture (EW)
 - Tuesday, 13.15–16.00: feedback P4 (ML); lecture, start P5 (EW)
 - Wednesday, 13.15–14.00: supervision P5 (EW)
 - Friday, 17.00: deadline P5 report
- Dec 17–21
 - Tuesday, 13.15–15.00: feedback P5 (EW); start P_x (all lecturers, if possible)
- Jan 14–18
 - Tuesday, 13.15–18.00: oral presentations of P_x projects (all lecturers, if possible)

Room: Andromeda, Astronomy. The oral presentations on Jan 15 are in Cassiopeia, Astronomy.

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