The Danish Graduate Programme in Economics (*DGPE*) and Center for Research in Econometric Analysis of TimE Series (CREATES) announce:

Ph.D. course on "Asymptotic Theory for Integrated Process"

April 1-2, 2008
Room 119, Building 1326

Lectured by: Professor H. Peter Boswijk, University of Amsterdam
Local Organizer: Niels Haldrup, Dept. of Economics, University of Aarhus

Programme

Tuesday, April 1st

09.00-10.30	**Lecture 1**: Introduction; basic unit root and cointegration models; weak convergence; Brownian motion and the invariance principle; the continuous mapping theorem.
10.30-11.00	Coffee break
11.00-12.00	**Lecture 1** (cont.)
12.00	Lunch in the canteen
13.00-14.30	**Lecture 2**: Dependent sequences; stochastic integrals and Itô's lemma; near-integrated processes; local asymptotic likelihood analysis and local power.
14.30-15.00	Coffee break
15.00-16.00	**Lecture 2** (cont.)
18.00	Course dinner TBA

Wednesday, April 2nd

09.00-10.30	**Lecture 3**: Deterministic components and L^2 projections; similarity; GLS detrending; multiple regression with integrated, stationary and deterministic regressors.
10.30-11.00	Coffee break
11.00-12.00	**Lecture 3** (cont.)
12.00	Lunch in the canteen
13.00-14.30	**Lecture 4**: Asymptotic likelihood analysis and optimal inference on cointegration; robustness to near-unit roots; non-Gaussian and heteroskedastic likelihood analysis.
14.30-15.00	Coffee break
15.00-16.00	**Lecture 4** (cont.)