ICIC Inaugural Workshop
20-21 August 2012, Imperial College London
Blackett Lecture Theatre 3 (on Level 1)

Sunday, 19 August

19.30 - 21.30+ **Opening Drinks:** *Queen's Arms Pub*
  30 Queen's Gate Mews, London, SW7 5QL (see workshop map)

Monday, 20 August

08.30 - 09.10 **Breakfast and Registration** (Blackett Concourse, Level 3)

Morning Session
Chair: Roberto Trotta

09.10 - 09.15 **Opening Remarks** (Alan Heavens and David van Dyk)

09.15 - 10.30 **Discussion Topic:** *Statistical Challenges in Dark Energy Searches*
  Ofer Lahav, University College London

10.30 - 10.45 **Snapshot:** *Sparsity and Compressed Sensing in 3D Weak Lensing*
  Adrienne Leonard, CEA Saclay

10.45 - 11.15 **Coffee Break** (Blackett Concourse, Level 3)

11.15 - 12.30 **Discussion Topic:** *Hierarchical Bayesian Models for Type Ia Supernova Light Curves, Spectra, Dust and Distances*
  Kaisey Mandel, Imperial College London

12.30 - 14.15 **Lunch**

Afternoon Session
Chair: Alan Heavens

14.15 - 15.30 **Discussion Topic:** N*ew Approaches to Cosmological Inference from Probes of the Large Scale Structure of the Universe*
  Ben Wandelt, IAP, Sorbonne University

15.30 - 15.45 **Snapshot:** *Functional Marginalisation for Cosmology*
  Tom Kitching, University of Edinburgh

15.45 - 16.15 **Cold Drinks** (Blackett Concourse, Level 3)

16.15 - 17.30 **Discussion Topic:** *Global Fits Beyond the Standard Model with Astroparticle Data*
  Pat Scott**,** McGill University

19.15 - 21.30 **Dinner:** *Zaika,*
  1 Kensington High St. London W8 5NP (see workshop map)

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Tuesday, 21 August

08.30 - 09.15 **Breakfast** (Blackett Concourse, Level 3)

Morning Session
Chair: David van Dyk

09.15 - 10.30 **Discussion Topic:** *I Have More Data, My Model is More Refined, but my Estimator is Getting Worse! Am I Just Dumb?*
Xiao-Li Meng, Harvard University

10.30 - 10.45 **Snapshot:** *Accelerating MCMC by Interweaving Multiple Parameterisations*
Yaming Yu, University of California, Irvine

10.45 - 11.15 **Coffee Break** (Blackett Concourse, Level 3)

11.15 - 12.30 **Discussion Topic:** *Probabilistic Source Detection*
Farhan Feroz, University of Cambridge

12.30 - 14.15 **Lunch**

Afternoon Session
Chair: Daniel Mortlock

14.15 - 15.30 **Discussion Topic:** *Analyzing Astronomical Data Sets Using Non-linear Random Effects Models*
Brandon Kelly, University of California, Santa Barbra

15.30 - 15.45 **Snapshot:** *Bayesian Estimation of Flux Distributions*
Paul Baines, University of California, Davis

15.45 - 16.15 **Cold Drinks and Workshop Picture** (Blackett Concourse, Level 3)

16.15 - 17.30 **Discussion Topic:** *Bayesian Multilevel Modelling of Cosmic Populations*
Tom Loredo, Cornell University

17.30 **Meeting Closes**

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