Canberra Symposium On Regularisation - Integrating the Chemnitz Symposium on Inverse Problems on tour

Date/Time:
12:00am, 19 Nov 2012 - 12:00am, 24 Nov 2012

Location:
Australian National University

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Scope and purpose
Progress with the mathematical analysis of regularisation is fundamental to its utilisation in the solution of ill-posed problems. Recent research has focussed on nonlinear regularisation techniques which make use of the sparsity structure of the data, but also work on non-standard source conditions and convergence rates of linear regularisation methods. The aim of this meeting is to bring together researchers and students who have been actively involved with these recent mathematical developments to highlight the mathematics involved, to identify some of the future challenges, to exchange ideas on how to tackle such challenges and to form research collaborations. In addition, to encourage student participation, tutorial-style introductions to these new developments will be organised as a prelude to the symposium. In general terms, the theme of the meeting is the effect that the mathematical properties of the data and the regularisation techniques jointly have on the accuracy and efficiency of the associated information recovery.

Conference Registration
Please use the following link for conference registration.

Format
One week of talks, no parallel sessions, some longer (invited) some shorter (contributed) talks.

Audience
Around 100 participants from Australia and overseas, including Austria, Brazil, China, Germany, Japan, the USA and Vietnam.

Funding
Supported by the *Centre for Mathematics and Its Applications* at the ANU. Other support under negotiation. AMSI Travel Allowance
This event is sponsored by the Australian Mathematical Sciences Institute (AMSI). AMSI allocates a travel allowance annually to each of its member universities (for list of members, see www.amsi.org.au/membership.php). Students or early career researchers from AMSI member universities without access to a suitable research grant or other source of funding may apply to

the Head of Mathematical Sciences for subsidy of travel and accommodation out of the departmental travel allowance.

Sponsors
This event is sponsored by the Australian Mathematical Sciences Institute (AMSI)