

Variational and Topological Methods: Theory, Applications, Numerical Simulations, and Open Problems

June 6-9, 2012

Northern Arizona University
Flagstaff, Arizona, USA

The updated conference website now contains

Secure Online Registration and Online Abstract Submission.

Visit the conference link at: <http://nau.edu/math>,

Or go directly to: <http://jan.ucc.nau.edu/~jmn3/var12/var12.html>.

The focus of the conference will be on nonlinear elliptic and parabolic PDE. Talks will feature theory, applications, and numerical methods. It is encouraged to give somewhat wide talks, including summaries of known results and statements of open problems.

There will be approximately two one-hour talks by each of the five **Principal Speakers**:

Monica Clapp	Instituto de Matemticas, UNAM
Pavel Drabek	Univerzita v Plzni, Czech Republic
Jacques Giacomoni	Universite de Pau
Jean- Michel Rakotoson	Universite de Poitiers
Peter Takác	Universität Rostock

Other talks will be 30-45 minutes, depending on the organization of the sessions:

Singular Problems,	organizer Peter Takac	(Peter.Takac@uni-rostock.de)
Nuclear Simulations,	organizer Roman Kuzel	(rkuzel@kma.zcu.cz)
General Session*,	organizer John Neuberger	(John.Neuberger@nau.edu)

*We are gaining some momentum to add a *Sobolev Gradient* session, featuring John W. Neuberger (University of North Texas) and colleagues.

The website contains a list of over 40 pre-registered participants who have indicated that they will give a talk.

We are *anticipating* the funding an NSF proposal. Graduate students and new PhD, underrepresented mathematicians, and those without institutional travel support are encouraged to request support while registering for the conference.

The conference includes a half-day excursion to Sedona.
There is an optional excursion to the Grand Canyon on Sunday June 10th, 2012.
Please register to include yourself or guests at these events.

Please contact the *Conference Organizers* if you have any questions:

Maya Chhetri (Maya@uncg.edu), Petr Girg (Pgirg@kma.zcu.cz),
John Neuberger (John.Neuberger@nau.edu) Peter Takác (Peter.Takac@uni-rostock.de)