

Newsletter December 2008/January 2009: Splitting-Group in Action

Dear Colleagues, Students and Friends of our Splitting Group in Action, the research year is nearly finished and next events will come soon in 2009.

Over the year, we had a lot of discussions in workshops and conferences. I hope our success in organizing mini-symposiums and special issues will go on and people are interested on inviting each others.

Further researchers joined our splitting group this year by conferences and workshops.

It is important to have such a platform for further research and design of methods, help in papers and thesis.

Many problems are open in our splitting methods and theories, comparison and design of advanced methods can be done. Because of our application to various ODE's and PDE's we are kept to study carefully each method for a special type of equation, often generalizations are very difficult and make proofs delicate. Such problems need an understanding and collaboration with colleagues to see each benefit and advantages of a method.

Now we have a full group of researchers and their special understanding in special research field is enormous to combine such a detailed know-how will be a key for future research.

Such successful and efficient splitting methods, e.g. for multiple scales, multi physical and quantum mechanics, can be a topic in future research and foundations.

The next events will come in Spring 2009, see also some conferences and colleagues, who organize very excellent mini-symposiums in upcoming conferences, e.g. MIT, SCICADE, NUMDIFF.

Many thanks for all activities and the help of plenty organizers in 2008 in our research network.

I hope in 2009 we join us again in one of our events. Next newsletter will be send out in February 2009.

I wish you all a nice time, Merry Christmas and a happy and successful new year.

Best regards,

Juergen Geiser

Next events:

- 1.) Next year events
- 2.) Special Issues
- 3.) Open positions
- 4.) Foundations
- 5.) Remarks

ad. 1.) Events in 2009

1.1.) MIT, June 2009

Our annually conference in 2009 will be held at MIT, Boston, USA :

Fifth M.I.T. Conference on Computational Fluid and Solid Mechanics : Advances in CFD, June 17 - 19, 2009

please visit: <http://www.fifthmitconference.org>

Recent Advances in Decomposition Methods for Computational Fluid Mechanics: Theory and Applications Local Organizers : Geiser Juergen, Sheng Qin

See our mini-symposium page:

<http://www.mathematik.hu-berlin.de/>

1.2.) Scicade, Beijing, May 25-29, 2009.

see :

<http://www.conferencenet.org/conference/scicade.htm>

1.3.) Numdiff 12, Halle, September 2009.

see :

<http://sim.mathematik.uni-halle.de/numdiff/Numdiff12/>

ad. 2.) Special Issue :

2.1.) Special issue of our conference papers.

Subject Editor: Juergen Geiser.

Title : Decomposition Methods in Multiphysics and Multiscale Problems, Research Monograph with multiple authors.

Deadline submission: December/January 08/09.

Review process: February-April 2009.

Publishing Date: September 2009.

ad 3.) Open positions :

none.

ad 4.) International Foundations to be important for our European group members:

4.1. European Science Foundation (ESF) and European Research Council (ERC) :

see : <http://www.esf.org/research-areas/physical-and-engineering-sciences.html>
and

see: <http://erc.europa.eu/index.cfm>

ad 5.) Additional remarks

New conferences, open positions, new special issues can be announced.

Please let me know your ideas and feedback.

Thanks for your time and your cooperation.

I wish all nice Christmas days and a good start in 2009.

With best regards,

Juergen Geiser