

## Newsletter February/March 2009: Splitting-Group in Action

Dear Colleagues, Students and Friends of our Splitting Group in Action, first of all to you and your families a happy and successful New Year. I know our work has started and winter break is over.

Let us have to be successful as in 2008 and meet us in next conferences to discuss further idea in splitting methods.

First conferences will start soon and we have a important minisymposiums at MIT conference in June.

I have also announced next conferences, see attachments.

While 2008 was the year of mathematics, 2009 is the year of astronomy. Here splitting methods are also included to solve their dynamical problems. Such problems have to overcome with their high nonlinearity and time-dependencies. But many problems are so specialized and we can modify our splitting methods, such that it will fit to special application. We have developed in many years so different splitting methods, adaptive, iterative, non-iterative, time-dependent and so on, so that we can take the best to solve novel problem.

General ideas can be specialized to design new splitting methods, that defeat non-splitting methods that deal with huge equation systems and delicate matrix solvers. Such careful development needs an understanding and collaboration with colleagues to see each benefit and advantages of a method.

Let us go on to the next events and get 2009 as successful as possible.

The next events will come in Spring 2009.

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

I hope to see you all in 2009. Next newsletter will be send out in April 2009.

I wish you all a nice time.

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/>

1.4.) AIMS meeting on Dynamical Systems, Differential Equations and Applications at Dresden, May 2010.

see : <http://aimsciences.org/AIMS-Conference/2010/>.

Prof. Sheng and I organize a minisymposium, see the attached announcement.

ad. 2.) Special Issue :

2.1.) Special issue of our conference papers.

none

ad 3.) Open positions :

none.

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

none.

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.

With best regards,

Juergen Geiser