

Newsletter September 2009: Splitting-Group in Action

Dear Colleagues, Students and Friends of our Splitting Group in Action, next writing of newsletter will proceed, sorry for the long silence in the last months.

By the way all activities in our group are going on. Annual conferences have taken place and new meetings are coming.

Calls for proposals have been stated and our splitting methods can be seen in such application fields as Multi-physics, Multi-scale and hybrid systems, high dimensional problems, Model-reduction and - adaptation.

Here modern splitting methods have an impact factor and efficient decomposition methods are developed or can be designed for such problems.

Our networking is important to solve such problems and share the knowledge to be competitive in each application. I am always astonished that splitting schemes are so similar but so specialized on application field or designed problem.

Not only theoretical results are needed also applications to real-life problems will give such methods an impact factor to other scientific communities. So I see an interdisciplinary demand in our group to combine our knowledge of splitting methods to physical and engineering problems.

Next meetings will come, see Halle, Dresden, and I hope to see you all to discuss our results and share next events.

While Splitting methods are extended to time-dependent, nonlinear problems and so on, we still have to think about an extension to next modern applications and solve coupled continuous, discrete and uncertain systems. Will we find splitting methods and their underlying theories to couple such delicate models?

Our benefits are the knowledge to discuss our problems and find out each extension in modern multi-model problems.

Let us go on to next events and find us in meetings all over the world.

I hope to see you again and wish you all a nice time.

Best regards,

Juergen Geiser

1.) Next year events

2.) Special Issues

3.) Open positions

4.) Foundations

5.) Remarks

ad. 1.) Events in 2009 and 2010

1.1.) Numdiff, September 2009

see :

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

1.2.) AIMS meeting on Dynamical Systems, Differential Equations and Applications at Dresden, May 25 - 28, 2010.

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

I will organize a mini-symposium, please send me your title of your talks. We have open slots to nice topics.

ad. 2.) Special Issue :

2.1.) Special issue of our papers.

announced in each workshop or conference.

ad 3.) Open positions :

Shuyu Sun, Kaust, Saudi Arabia, he is searching a Postdoc for 3 years, see the attached announcement.

Jürgen Geiser, HU Berlin, Germany, I am searching a Postdoc for 3 years, starting in summer 2010.

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.