

Newsletter March 2010: Splitting-Group in Action

Dear Colleagues, Students and Friends of our Splitting Group in Action,

our next event will proceed, please submit as soon as possible to the annual meeting at Dresden (deadline is 18th March).

By the way all activities in our group are going on and many meetings in splitting topics have past. Our annual conferences in Dresden will be important to have new ideas to work on and starting new research collaborations.

More or less we have to think about a research cluster in Europe, where we can obtain money for our visits from our governments. Recently I know that in Germany we start a new funding system to support visits and research contact to European and Asian groups.

Often it is more simpler to obtain money from our government, if we are integrated into a larger research cluster.

Next splitting topics will come to develop our methods for Monte Carlo schemes, solvers for nonlinear PDEs, to decouple Multi-scale and hybrid systems and to reduce high dimensional problems.

Here we have to explain why modern splitting methods have an impact factor and are more efficient than standard methods. Due to fast solver ideas, decomposition methods are developed and designed to solve specific problems with higher order accuracy.

Our networking is very important to find good collaborators around the world and to be up to date on our methods. Therefore we solve important problems and share the knowledge in competitive area with each application.

Not only theoretical results are important, we have to jump into real-life problems to have an impact factor to other scientific communities. So to have inter-disciplinary and inter-facultative demand in our group to combine our knowledge of splitting methods to physical and engineering problems is the way into the future.

In our meetings we will discuss such networks and discuss our results to such a research community.

While Splitting methods are extended to time-dependent, nonlinear, and continuous-discrete problems, we have to think about next modern applications.

Often splitting methods can be embedded to standard scheme or extend such schemes to be more efficient.

Let us go on to the next events and find next collaborations.

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

Best regards,

Juergen Geiser

- 1.) Events
- 2.) Special Issues
- 3.) Open positions
- 4.) Foundations
- 5.) Remarks

ad. 1.) Events 2010

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

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

We organized a mini-symposium, please send me your title of your talks as soon as possible till 18 March 2010.

We have some open slots.

ad. 2.) Special Issue :

2.1.) Special issue of our papers.

announced at the next conference.

ad 3.) Open positions :

Shuyu Sun, Kaust, Saudi Arabia, he is searching a Postdoc for 3 years.

Jürgen Geiser, HU Berlin, Germany, I am searching a Postdoc for 3 years, starting in 2011.

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.