

Newsletter December 2007 to the Splitting-Group in Action

Title : Conferences and Deadlines

Dear Colleagues, Students and Friends of our Splitting Group in Action, the academic year 2007 is nearly finished and we have to organize the new events for 2008.

The contributions to our methods are important and we should present them annually in conferences and special issues.

National and international fundings might be integrated to our research topics and influence our next works.

Recently, Prof. Sheng and I got a nice email from a PhD student, who like to join our splitting group. He like the setting up of such a wonderful research group worldwide on an area of research that is very exciting.

Yes, we integrate such young researchers to our group, educate them and give them a chance to find their positions in the area of our decomposition research.

We also see that there is a good time to overcome the old heuristic theories and to establish a theory based on Functional Analysis and Operator Theory.

There are a lot of new fields, e.g. financial mathematics, material research, weather forecasting, etc. that are predestinated for decoupling scales, phases, domains, etc.

Our international contributions are important to embed our new methods to the mathematical community.

I hope, we have a chance to enter new funding programs and support our activities to get an international mathematical group.

Recently, we got also an invitation of Prof. Ostermann to join his conference in Innsbruck Austria and he would like to contribute the splitting methods as his conference topics.

Such invitations and emails of supporting researchers show that we are going on and could step by step reach a level of an international research group with many marvelous contributions.

In this newsletter, I announce and motivate to submit abstracts to our annual conferences. Further the recent changes in the open positions and the deadlines of the special issues.

Here are the contents :

- 1.) Annual conference in Venice, Arlington and Innsbruck
- 2.) Special Issues
- 3.) Open positions
- 4.) Foundations

5.) Remarks

ad 1.) Annually conferences

1.1.) Venice

Our annually conference in Europe will be held in Venice

Eccomas 2008, Venice, Italy

<http://www.iacm-eccomascongress2008.org/frontal/>

Please see the deadlines for the contributions to our minisymposium:

Time- and Spatial Decomposition Methods for Multi-physical and Multi-field Problems [ID:139]

Organizers : Geiser Juergen, Sheng Qin

Deadline for the 2 paper abstract :

December 15th., 2007

Please start as soon as possible to submit the abstracts. I have also attached the reminder to our email.

1.2.) Arlington

Our annually conference in the USA will be held in Arlington :

7th AIMS International Conference on Dynamical Systems,
Differential Equations and Applications

May 18 - 21, 2008

http://www3.baylor.edu/ Qin_Sheng/minisymposium7.html

Please see the deadlines for the contributions to our minisymposium:

Adaptive and Iterative Decomposition methods for Differential Equations :
Stability and Application.

Organizers : Geiser Juergen, Sheng Qin

Deadline for abstract: February 29, 2008

1.3.) Innsbruck, September 2008.

A conference with the special topic, "Splitting Methods of Evolution Equations", will be held in fall 2008 at the University of Innsbruck, Austria.

We would like to have a conference of about 20-30 international participants, to talk about their methods in decomposition problems and to establish new

research teams for our next research period.

Here, young researchers and beginners of splitting methods should be motivated with excellent lectures to follow the theory and applications of splitting methods.

The time-table will be announced in the next newsletter.

Many thanks to Prof. Ostermann, University of Innsbruck, Austria, for hosting the conference and his idea to have the splitting method as a special topic.

Please let us know your interest on this special topic.

ad. 2.) Special Issue :

Qin Sheng and Johnny Henderson :

Title: Novel Difference and Hybrid Methods for Differential and Integro-Differential Equations and Applications, to be published in Neural, Parallel, and Scientific Computations (NPSC),

The Deadline will be at January 31, 2008.

Juergen Geiser and Roland Glowinski:

Title : Operator Splitting methods and ADI methods,

to be published in Springer (Texts and monographs in Scientific Computing, edited by W. Beiglboeck), Deadline Summer, 2008.

Please let us know your interest.

ad 3.) Open positions of the group members :

3.1.) Postdoctoral Position in Paris, France, posted September 2007 :

Research position for a period of 2 years :

Title of the project :

PARAREAL SIMULATION OF MULTI-SCALE EVOLUTION EQUATIONS
:
FROM POLARISABILITY OF NANOPARTICLES TO REACTING WAVES
WITH COMPLEX CHEMISTRY

3.2.) Faculty and Postdoctoral Positions at Baylor, USA, posted August 2007

see : <http://www.baylor.edu/math/index.php?id=37671>

Please let us know if there might be some interested students or colleagues in our group.

Recently the position at the Humboldt University of Berlin, Germany was given to PhD student Meraa Arab, (TU Braunschweig, Germany). Let him welcome to our splitting group.

ad 4.) International Foundations

4.1. European Science Foundation (ESF) :

We will contribute an abstract to the ESF-program next year.

see : Physical and Engineering Sciences (PESC) <http://www.esf.org/research-areas/physical-and-engineering-sciences.html>

4.2. European Research Council (ERC) :

We will contribute an abstract to the programs next year.

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

ad 5.) Additional remarks

New conferences, open positions, new special issues can be send to my and will be announced in the next newsletter.

Thanks for your time and let me know your feedback and ideas.

A wonderful Christmas Time and a Happy New Year.

Let us find some time to rest and start with new ideas in 2008.

With best regards,

Juergen Geiser