

Newsletter January 2008 to the Splitting-Group in Action

Title : New Year and next Events

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

I wish you all and your families a happy and healthy New Year 2008. I hope we can continue with prosperous and new ideas to our splitting group.

The academic year 2007 is finished and we have organized some minisymposiums at conferences and published our results in international journals and special issues.

New young members are registered in the next conferences and projects on our special topics are funded by national foundations.

We should continue this process and register to your annual conferences and submit papers to the next special issues of our group members.

By the way, the competition is hard and to obtain good offers and accepted papers in international journals need a lot of work.

I have received a kind and strong support from several of our group members, which advised me to go on in my career development. Many thanks to all of you, especially to Q. Sheng and M. Gander.

This year, I hope to see most of you in our conferences in Arlington or Venice. A further conference in Innsbruck (Austria) will be announced soon.

There are a lot of new topics in the symposiums, e.g. financial mathematics, material research, weather forecasting, etc. and we can contribute our methods with success.

Now the multi-scale problems are a big topic in the research, many projects are starting soon and our government investigated a lot of money. I see our methods are brilliant to solve such problems while decomposing the different scales, this is our chance to establish the group in this field.

I hope, we can obtain new international funds to support our activities and establish further research exchanges.

In this newsletter, I like to thank all our members for helping us in building this group, organize conferences, edit special issues and write a lot of papers in journals. Many thanks also for helping each other in this small network.

I hope we can go on in this manner.

Best regards,

Juergen Geiser

P.S.

Attached some further contributions :

- 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 :

Nearly exhausted, please contribute soon.

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 or October 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 a next mail.

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),

Please see the deadline : 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.

We will announce soon the contributors.

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.

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>

Please let me know your ideas and topics.

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.

Let us start with new ideas and many contributions in 2008.

With best regards,

Juergen Geiser