

Newsletter July 2008: Splitting-Group in Action

Dear Colleagues, Students and Friends of our Splitting Group in Action, many thanks to our contributors and their terrific presentations to our minisymposium at ECCOMAS 2008, Venice, Italy.

We had a nice time and got an overview to the recent research field in computational mathematics. It is good to have such conferences in getting an overview to all present research topics. By the way we could get some new members to our splitting group and a special issue for the best conference papers will go on. It might be good to have regularly new issues of our works.

The hot topics are multi-scaling, multi-physics and their analysis, so we are in a field of high level research and our methods are well-useful in this context.

It stands and falls with the knowledge of our contributions, I was often asked at the conferences if our methods are competitive and if they are simple to implement.

Such questions have to be treated in our new works and we have good opportunities to overcome.

Also funding of such hot-topics are in a good shape and we should apply for such support. Next year they will announce material-, environmental-, climate- and biomedical research-funds. Let us be on the side of the contributors and start to write proposals.

Some next events are coming in fall, see the workshop in Innsbruck.

Please do register in the new conferences for next year: MIT, SCICADE, NUMDIFF.

Here we can support our splitting network and have a platform for next events.

By the way, summer break will come and some rest will also help us to recover and get new ideas.

I will additionally write my newsletter in the summer to inform about next events and calls.

Many thanks to all contributors to our conferences, local organizers and research colleagues with their help so many events can go on and find benefit.

Please have in mind the registration for the next group-conference at MIT in 2009, SCICADE 2009, Halle 2009.

I hope to get feedback from your activities and hope to see you soon in a next event.

Many thanks for the activities in our network and have nice and recreative holidays.

Best regards,

Juergen Geiser

Next events and remarks :

- 1.) Workshop 2008, Annual conference 2009.
- 2.) Next year events
- 3.) Special Issues
- 4.) Open positions
- 5.) Foundations
- 6.) Remarks

ad 1.) Annually conferences

1.1.) Venice (passed) :

Eccomas 2008, 30 June - 4 July, 2008, Venice, Italy

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

Our mini-symposium:

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

Organizers : Geiser Juergen, Sheng Qin

Please send me the papers for our special issue.

1.2.) Innsbruck, October 2008.

A conference with the special topic, "Splitting Methods in Time Integration", is now announced.

organizer : Prof. A. Ostermann, University of Innsbruck, Austria ,

Time and Location:

October 15-18, 2008, Innsbruck, Austria

<http://techmath.uibk.ac.at/numbau/alex/events/conference2008.htm>

Deadlines:

Submitting an abstract: August 20, 2008.

A tentative program : August 2008,

Final program : September 2008.

For registration please contact Prof. Ostermann : alexander.ostermann@uibk.ac.at
or Felix Kramer : Felix.Kramer@uibk.ac.at

Special workshop fees are available till July 2008, please do not hesitate to register early.

ad. 2.) Next year events

2.1.) 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 Organizers : Geiser Juergen, Sheng Qin

See our minisymposium page:

<http://www.mathematik.hu-berlin.de/>

2.2.) Scicade, Beijing, May 25-29, 2009.

see :

<http://www.cc.ac.cn/SciCADE09/>

2.3.) Numdiff 12, Halle, September 2009.

ad. 3.) Special Issue :

3.1.) 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.

First we collect all papers of interested contributors. In a next step we decide the acceptance of the contributed papers. Please let us know you interest.

3.2.) Special issue of our annually best conference papers.

to be announced soon.

ad 4.) Open positions :

4.1.) Postdoctoral Position Available Institut Charles Gerhardt Montpellier (ICGM), CNRS and University Montpellier 2, Montpellier, France. Available September 2008 Apply to : Dr. Benoit Coasne, benoit.coasne@univ-

montp2.fr

ad 5.) International Foundations

5.1. European Science Foundation (ESF) and European Research Council (ERC) :

see : <http://www.esf.org/research-areas/physical-and-engineering-sciences.html>
and

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

Prof. Ostermann, Innsbruck, Austria, will have some further information.
Please let him know your interest.

ad 6.) 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