

**Graduate Workshop 2016**  
of the research training group  
MIMENIMA

**Date:**                    **Wednesday, 20.07.2016**                    **Thursday, 21.07.2016**

9:45 am to 17:30 pm

9:15 am to 16:00 pm

Meeting **08:15** am

IW3, front entrance

Driver: Georg, Gesa, Laura

**Location:**            Gut Ankelohe (<http://gut-ankelohe.de/>)  
Am Brink 1  
27624 Bad Bederkesa

**1) Participants:**

B. Besser

W. Feng

Y. Grebenyuk

G. Hollermann

L. Huang

L. Kiewidt

D. Krummrich

L. Luhede

G. Mikolajczyk

P. Moni

G. Pesch

W. Veltzke

H. Zhang

## 2) Working Phase Options

### A) Scientific Presentation

Option A: Scientific Presentation or PhD colloquium	
Aim	feedback to planned publications, presentation on a conference or scientific work
time schedule (45 min)	<ul style="list-style-type: none"> <li>▪ 20 min: presentation</li> <li>▪ 20 min: discussion with regard to content and feedback about style of delivery</li> <li>▪ 5 min: standardized questionnaire</li> </ul>
outcome	discussion and evaluation of style of delivery

### B) Problem discussion

Option B: Problem discussion	
aim	find possible solutions for a specific scientific problem
time schedule (for 2 following discussions; 90 min)	<ul style="list-style-type: none"> <li>▪ 15 min: presentation (10 min) and clarify (5 min) problem 1</li> <li>▪ 15 min: presentation (10 min) and clarify (5 min) problem 2</li> <li>▪ 30 min: work in 2 interdisciplinary groups, search for solutions for problem 1, and 2 with peer to peer coaching methods (e.g. brain storming); documentation on a flipchart sheet</li> <li>▪ 15 min: presentation of possible solutions 1</li> <li>▪ 15 min: presentation of possible solutions 2</li> </ul>
outcome	possible solutions; documentation on a flipchart sheet

### C) Paper story line presentation

Option C: Paper story line presentation	
aim	Improve the quality for upcoming publications
time schedule (45 min)	<ul style="list-style-type: none"> <li>▪ 20 min: presentation about the core area</li> <li>▪ 20 min: discussion with regard to content and key figures</li> <li>▪ 5 min: key points to improve the quality</li> </ul>
outcome	improve the quality of paper

**D) New Generation MIMENIMA: How to present in october?**

Option D:	
aim	Collecting ideas for the presentation of our own topics
time schedule (45 min) Day-II	<ul style="list-style-type: none"> <li>▪ 10 min: Introduction</li> <li>▪ 20 min: Collecting ideas about the presentation (whole group, flipchart)</li> <li>▪ 15 min: discussion to find a valuable solution</li> </ul>
outcome	possible solutions to solve the problems; recommendation to management board; documentation on a flipchart sheet

**E) Evaluation of 3 years MIMENIMA**

Option E:	
aim	Evaluating MIMENIMA 2013-2016
time schedule (30 min) Day-II	<ul style="list-style-type: none"> <li>▪ 5 min: Introduction</li> <li>▪ 25 min: Collecting positive things, improvements (whole group, flipchart)</li> </ul>
outcome	possible solutions to solve the problems; recommendation to management board; documentation on a flipchart sheet

## 2. Time Schedule

### 1st Day Wednesday

09:45 to 10:00	WELCOME
10:00 to 10:45	<b>G. Pesch - A</b> Aerosol characterization by dielectrophoresis
10:45 to 11:30	<b>W. Feng - A</b> Demonstration and characterization of an interferometric particle imaging configuration for a glass sphere
11:30 to 11:45	COFFEE BREAK
11:45 to 12:30	<b>W. Veltzke - C</b> New building material developed by upcycling of a waste material
12:30 to 13:15	<b>G. Hollermann - C</b> Photocatalysis of environmental hazardous molecules in open porous ceramic foams
13:15 to 14:15	LUNCH
14:15 to 16:30	<b>L. Kiewidt</b> Characterisation of catalytic washcoats <b>H. Zhang - B</b> Structure and mechanical strength of the porous SiOC monolith <b>G. Mikolajczyk</b> Interpreting data sets of deep bed filtration experiments obtained from $\mu$ CT and flow-MRI
16:30 to 16:45	COFFEE BREAK
16:45 to 17:30	<b>D. Krummrich</b>
19:00	DINNER

**2nd Day Thursday**

9:15 to 9:30	WELCOME
9:30 to 10:15	<b>Y. Grebenyuk - C</b> Wicking into porous polymer-derived ceramic monoliths fabricated by freeze-casting
10:15 to 11:00	<b>P. Moni</b> Polymer-derived SiOC/ GO or MWCNT composites
11:00 to 11:15	COFFEE BREAK
11:15 to 12:00	<b>New Generation MIMENIMA</b>
12:00 to 12:45	<b>L. Luhede</b> Emulsification of water in oil using functionalized membranes
12:45 to 13:45	LUNCH
13:45 to 14:30	<b>L.Huang</b> Fast NMR velocity mapping by RARE imaging
14:30 to 15:15	<b>B. Besser</b> The deviation of ideal selectivities from Knudsen theory of alkyl-functionalized, mesoporous membranes
15:15 to 15:45	<b>Evaluation MIMENIMA</b>
15:45 to 16:00	GENERAL FEEDBACK
Return to Bremen	

Color code
<b>Organizational matters</b>
<b>A) Scientific Presentation</b>
<b>B) Problem discussion</b>
<b>C) Paper story line presentation</b>
<b>D) MIMENIMA New generation</b>
<b>E) Evaluation MIMENIMA 2013-2016</b>

**Breaks and Meals**