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11th GAMM AG Data Workshop Feb 06/07 2024

		00/07 2024	DAV 1
	11-12 h 12-13 h 13-18 h 19-? h	Registration Welcome lunch Scientific talks Workshop dinner	DAY 1
			DAY 2
Preliminary Schedule	9-12 h 12-13 h 13-16 h 16-19 h	Scientific talks Lunch Scientific talks & closi AG data meets AG ph (optional event)	ase-field
	19-? h	Joint dinner (optional	VLINUL
ta aims at ities of the	on the mair	op will take place at the campus. It is easily rea he city center, the main ACCON	chable by
Applied About Applied GAMM AG Mechanics DATA	available at	tingents at reduced rate Intercity Hotel. Rooms ler the keyword "GAMN	s can be
and analysis	Data-supi	ported modeling of the	TOPICS
rostructured e field of imaging based s has experienced significant ements. For instance, the d of computed tomography chniques have advanced at the same time, X-ray	constituti • Data-driv • Machine • High-perf • Microstru	ve behavior of material en simulation technique learning tools for mater ormance data-processin acture generation, simul e.g. via machine learnin	es rials engineering ng lation and
v devices are now available in			
es. By virtue of the obtained nages, microstructures of artificial materials can be	tren	uss the state of the art a ds in data-driven approa epth discussions and exe	aches
d directly in numerical rating three dimensional			ABSTRACTS
bint of view. Special data-	Temp <u>mib.u</u>	late: ni-stuttgart.de/dae/ag-	<u>data</u>
that are able to operate on , are required. Developing	Forma max.	at: 250 words, PDF & TeX	
processing techniques for ensional data sets constitute e GAMM AG Data. Innovative nniques for automatic phase Abstract	Please dresd	e submit to <u>agd</u> l <mark>en.de</mark> providing: Title, Name, First Nam	ata2024@tu- e, Institution
crostructure reconstructions Submission &	R	EGISTRATION & WO	RKSHOP FEE
r, Dr. Karl Kalina	agdata	register by email until 2024@tu-dresden.de.	Please provide:
.de TECHNISCHE UNIVERSITÄT DRESDEN	•	Title, Name, First Name Institution, postal a number	
uttgart.de Organizers	work: book	workshop fee of EU shop participation, prir of abstracts, coffee bro er, welcome and farewe	nted program / eaks, workshop
emann			DATES
leuphana.de	Abstract Su Abstract Ac Registration	ceptance	Dec 22, 2023 Jan 05, 2024 Jan 07, 2024

The GAMM AG Data aim coordinating the activities o members of the Internat Association of Ap Mathematics and Mech (GAMM) in the field of data-b modeling, simulation and an in the context of microstruct materials.

In recent years, the field experimental methods has e technological improvements quality and the speed of c based imaging technique considerably, while at the computed tomography device many research facilities. By three-dimensional images, modern natural and artific analyzed and used dire simulations. Incorporating microstructure data is, howe from a numerical point of processing techniques that a billions of unknowns, are algorithms and data proce processing three-dimensiona major topics within the GAM image processing techniques segmentation and microstru are of equal importance.

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