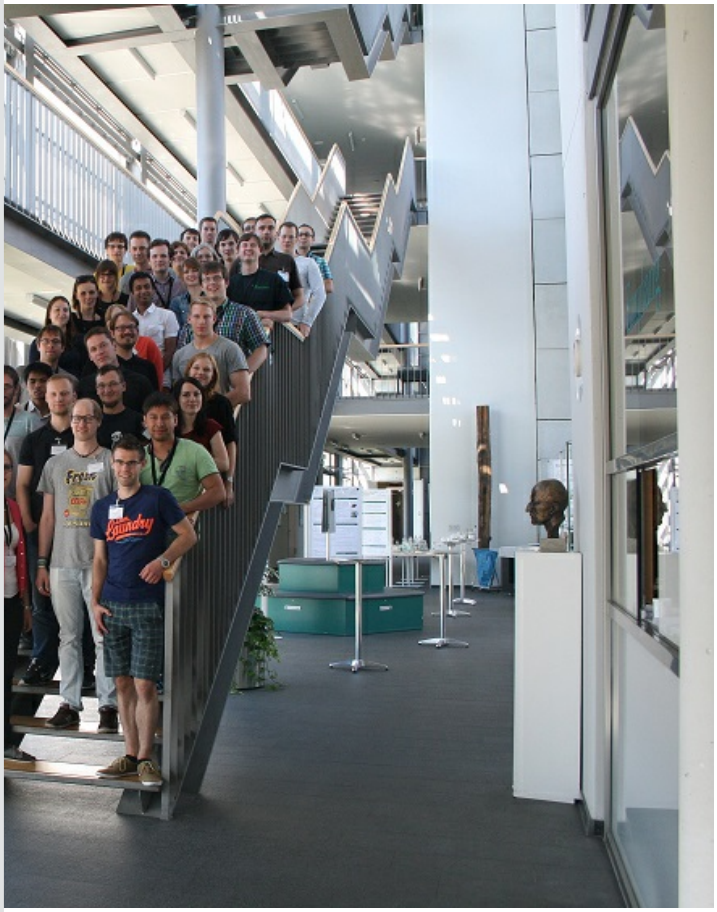
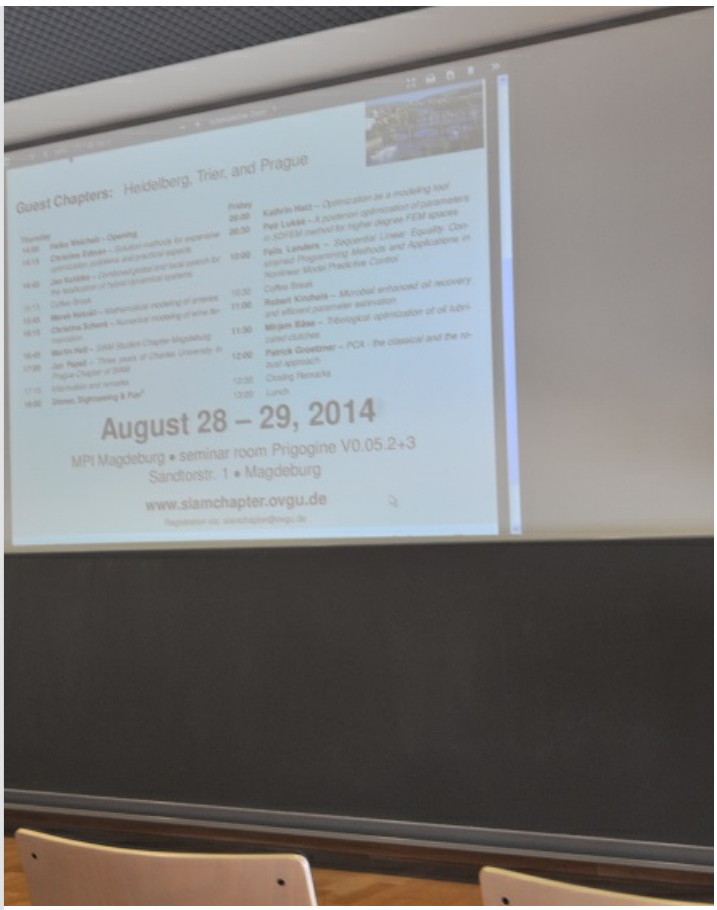
OTTO VON GUERICKE UNIVERSITÄT MAGDEBURG

STUDENT CHAPTER OF SIAM MAGDEBURG

pters

eutschen SIAM Student Chapters in Trier (2012) und Heidelberg
ung 2014 in Magdeburg statt. Wir erwarteten Gäste aus den deutsch




Guest Chapters: Heidelberg, Trier, and Prague
August 28 – 29, 2014
MPI Magdeburg • seminar room Prigogine V0.05.2+3
Sandtorstr. 1 • Magdeburg
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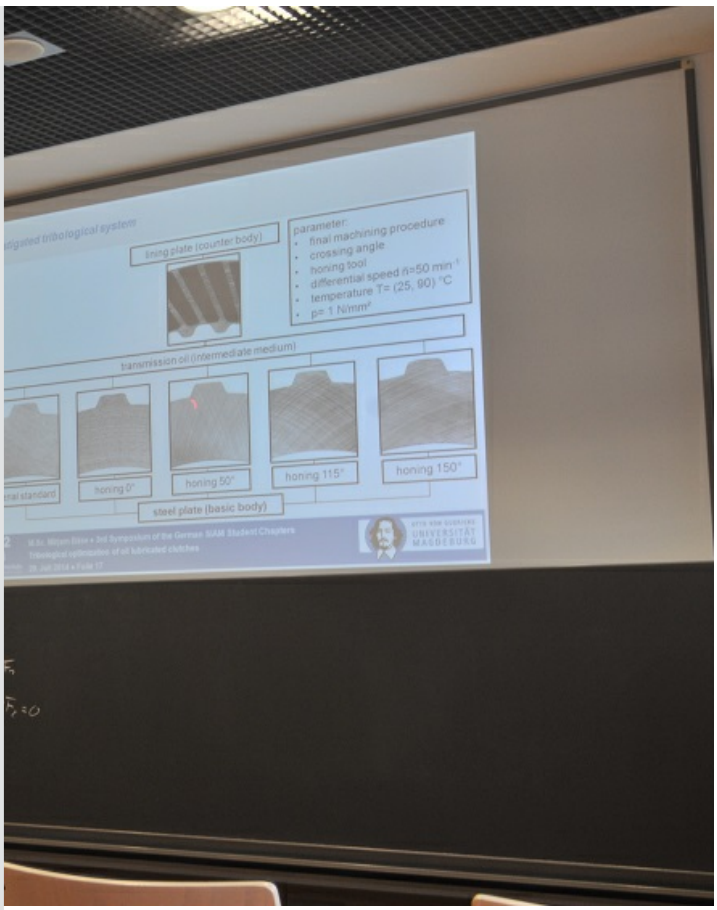

lining plate (counter body)
parameter:
final machining procedure
crossing angle
honing tool
differential speed n=50 min⁻¹
temperature T= (25, 90) °C
p= 1 N/mm²
transmission oil (intermediate medium)
honing 0°
honing 50°
honing 115°
honing 150°
steel plate (basic body)

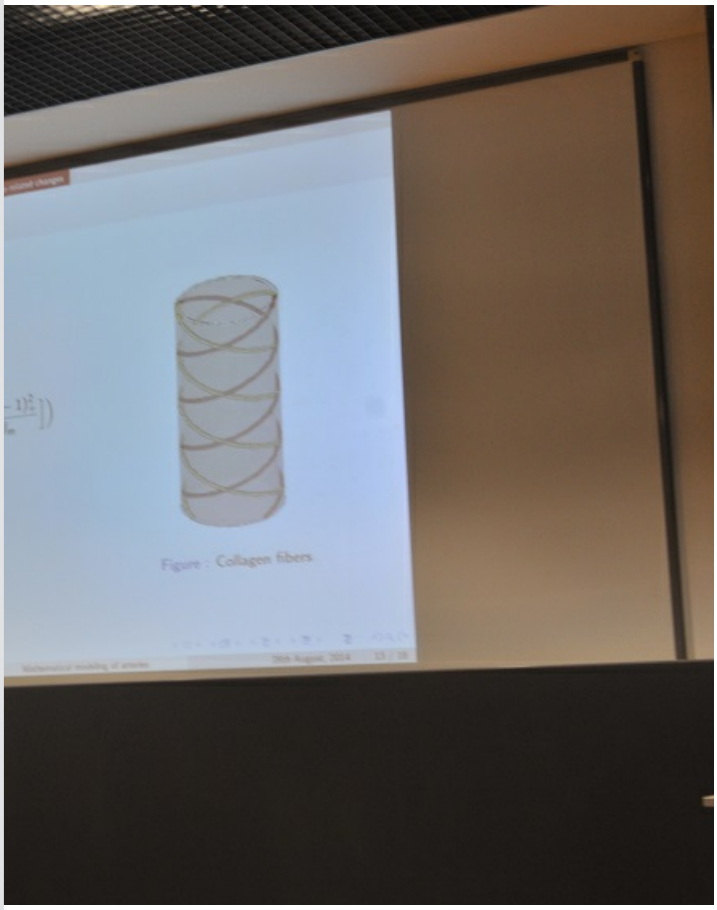
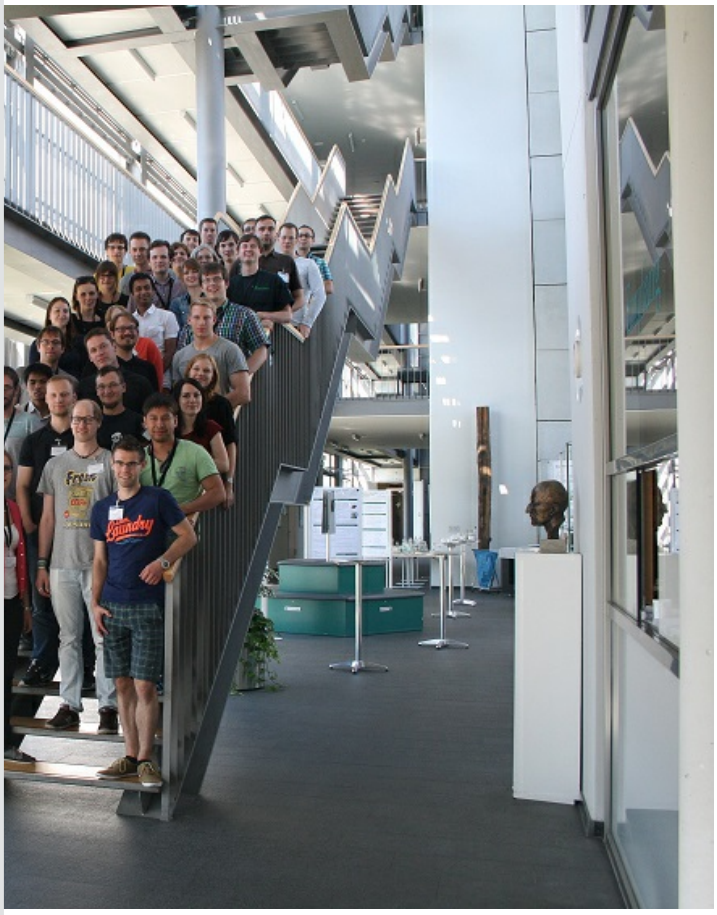
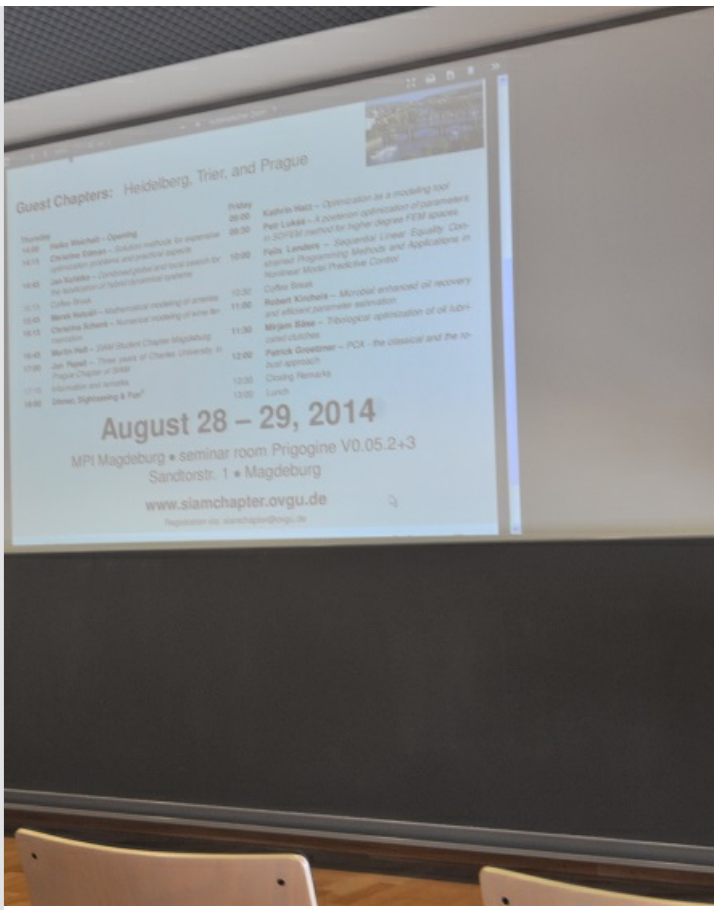


Figure : Collagen fibers

oject: MEOR Studies
Tertiary oil extraction technology allowing the partial recovery of oil entrapped in porous media
Stimulated microbes improve oil production by mobilizing residual oil trapped in the pore space.
The bacterial growth at an oil/water interface causes a substantial reduction in interfacial tension and influences other parameters as viscosity and permeability.
Partners:
BASF
The Chemical Company
wintershall

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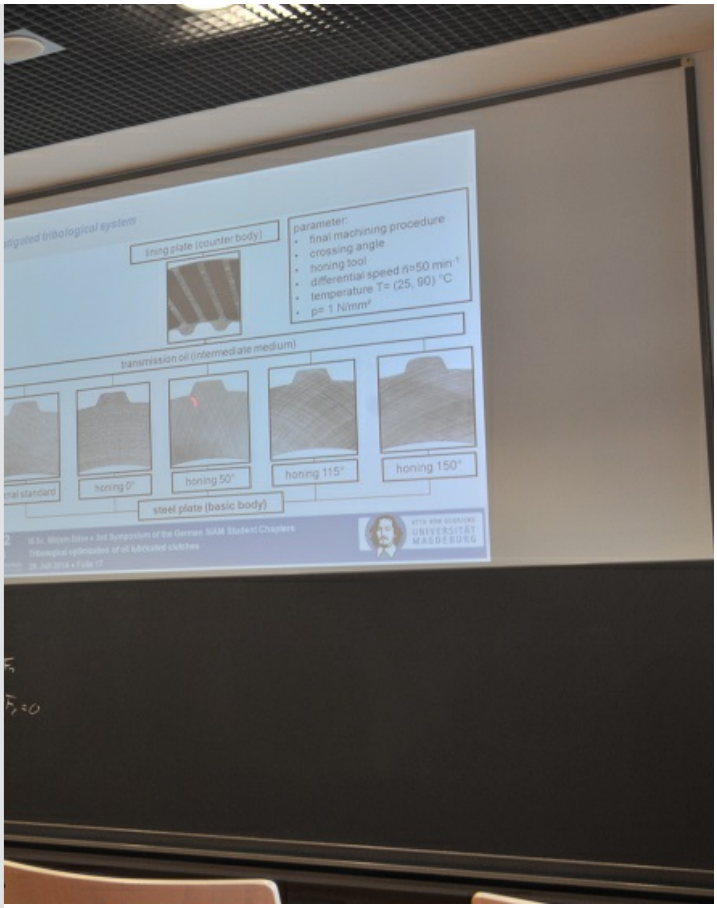
lubricated tribological system
lining plate (counter body)
parameter:
final machining procedure
crossing angle
honing tool
differential speed n=50 min⁻¹
temperature T= (25, 90) °C
p= 1 N/mm²
transmission oil (intermediate medium)
honing 0°
honing 50°
honing 115°
honing 150°
steel plate (basic body)
UNIVERSITÄT MAGDEBURG

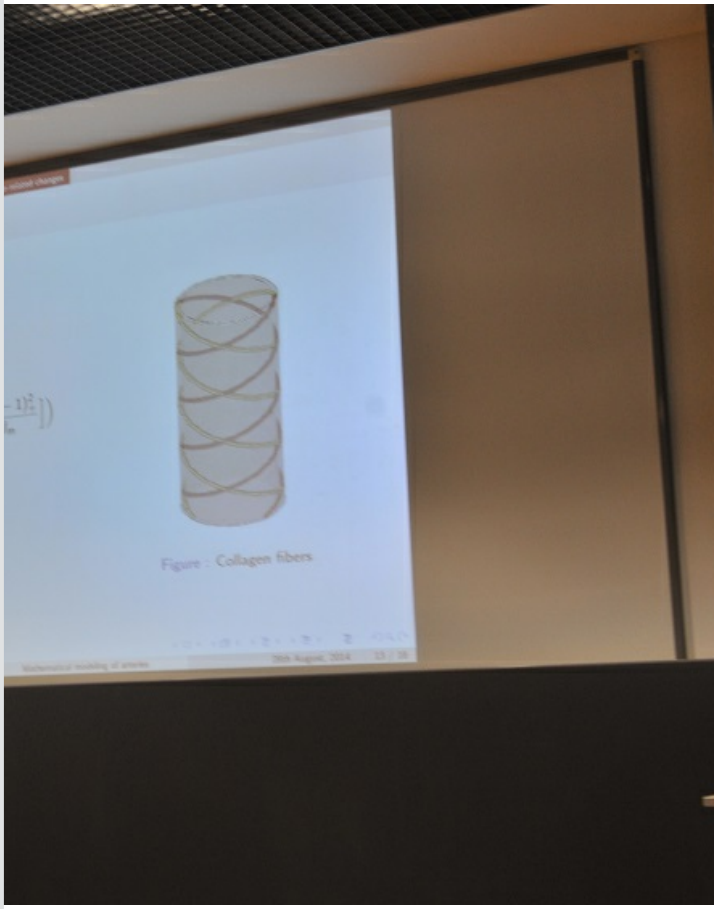
Figure : Collagen fibers

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« Zurück**3rd_symposium_009** (Bild 9 von 10) » Vorwärts

ıs Prag teil, um die internationalen Verbindungen auszubauen.

gogine V0.05.2+3

sterstudenten der vier teilnehmenden SIAM Student Chapters
n. Diese umfassten ein weites Spektrum in der angewandten
, Mathematische und Numerische Modellierung, Parameterschätzun
des wissenschaftlichen Programms klang gemütlich bei einem
ıs. Gestärkt ging es später auf Entdeckungstour - wir begleiteten ein
ch das mittelalterliche Magdeburg. Das Programm endete Freitag
Aktivitäten und Kooperationen.

m of the
l Student

Trier, and Prague

	Friday	
	09:00	**Kathrin Hatz –** Optimization as a modeling tool
nsive	**09:30**	**Petr Lukáš –** A posteriori optimization of parameters in SDFEM method for higher degree FEM spaces
ch for	**10:00**	**Felix Lenders –** Sequential Linear Equality Constrained Programming Methods and Applications in Nonlinear Model Predictive Control
eries	10:30	Coffee Break
e fer-	**11:00**	**Robert Kircheis –** Microbial enhanced oil recovery and eff cient parameter estimation
rg	**11:30**	**Mirjam Bäse –** Tribological optimization of oil lubricated clutches
ity in	**12:00**	**Patrick Groetzner –** PCA - the classical and the robust approach
	12:30	Closing Remarks
	13:00	Lunch

28 – 29, 2014

inar room Prigogine V0.05.2+3
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via: siamchapter@ovgu.de

M Student Chapter
rles University in Prague

OTTO VON GUERICKE
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MAGDEBURG

MAX PLANCK INSTITUTE FOR DYNAMICS OF COMPLEX TECHNICAL SYSTEMS MAGDEBURG

MAX-PLANCK-GESELLSCHAFT

problems and practical aspects

sification of hybrid dynamical systems

Chapter of SIAM

FEM method for higher degree FEM

ramming Methods and Applications in

parameter estimation

ches

Aktuelles ▶

15.02.2024
Seminar Prof. Dr.-Ing. Daniel Juhre

06.11.2023
Nerd Nite 2023

22.09.2023
Naturkundemuseum

› weitere...

Nerd Nite Magdeburg ▶

Mitglied werden ▶