

Current Topics in Data Engineering

Schedule Current Topics in Data Engineering 2019

Tu 3. 9. 2019 9:45 Stefan Kettemann, **Introduction, Lecture Hall Research III**

Fr 13. 9. 9:45 Katja Windt, Dirk Lieftucht, SMS Digital **Lecture Hall Research II**

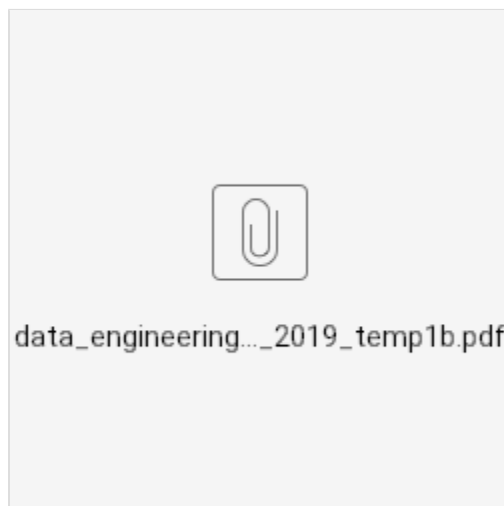
SMS Data Challenge 3.0

Data Science meets Steel Industry – an exciting match of heavy metal and high tech

for details click on the DE Blog



Tu 17. 9. 2019 9:45 Marc-Thosten Hütt, Bio-Informatics and Systems Biology, **Lecture Hall Research III**



Fr 20. 9. 9:45 Peter Zaspel, Machine Learning in Scientific Computing, **Lecture Hall Research II**



Further references:

- a rather readable introduction to kernel-based learning: <https://pdfs.semanticscholar.org/2eb2/ca05a79d1d81033237aad416ad4a1ce90a70.pdf>
- nicely readable book on kernel-based methods: <https://www.worldscientific.com/worldscibooks/10.1142/6437>
- an overview article about Kernel-based ML in Quantum Chemistry: <https://arxiv.org/pdf/1109.2618.pdf>
- my recent work on multi-fidelity methods: <https://pubs.acs.org/doi/10.1021/acs.jctc.8b00832>

Tu 24. 9. 2019 9:45 Agostino Merico, Analysis of Complex Ecological and Social Systems, **Lecture Hall Research III** (For Presentation slides see child page on the left)

Fr 27. 9. 9:45 Peter Baumann, Analytics on Big Data Cubes in Science and Engineering **Lecture Hall Research II**



Tu 1. 10. 2019 9:45 **Lecture Hall Research III** Tutorial on Writing the term paper and Preparing the Poster **Lecture Hall Research III**



TutorialHowtoPre...andTermpaper.pdf

Fr 4.10. 9:45 **Lecture Hall Research II** no lecture

Tu 8. 10. 2019 9:45 **Lecture Hall Research III** Adalbert F. X. Wilhelm Feature engineering for sensor data



TDE_awilhelm20191008.pdf

Fr 11.10. 9:45 **Lecture Hall Research II** no lecture

Tu 15. 10. 2019 9:45 **Lecture Hall Research III**: Vikram Unnithan, Angelo Pio Rossi, Joachim Vogt, Earth and Space Sciences: Big Geo-data - link to slides [HERE](#)

Fr 18.10. 9:45 **Lecture Hall Research II** Stefan Kettemann, Data Engineering for the Energy Transition



CurrentTopicsData...ransition.key.pdf

Tu 22.10. 9:45 **Lecture Hall Research III** **no lecture**

Fr 25.10. 9:45 HR Forecast, **Data Engineering in NLP** **Lecture Hall Research II**



Data Engineering in NLP.pdf

Slides of HR Forecast on NLP from 2019



HRForecastApplied...elligence.key.pdf

Slides from HR forecast 2018:



AbreuCT(29.10.19)@Jacobs.pdf

Tu 29.10. 9:45 Giuseppe Abreu, Communication Theory **Lecture Hall Research III**

Tu 29.10. 14.00-15:30 Sergey Kosov, Machine Learning in Computer Vision Lecture Hall, R. 53 in Research I



Machine Learning ...mputer Vision.pdf

Tu 5.11. 9:45-11:00 Lecture Hall Research III Tutorial on Writing the term paper and Preparing the Poster



PosterPresentatio...perGuideLines.pdf

Fr 15.11. 9:45 CSC Infossession for Data Engineering Master Students, Christin Klähn

- Why would students need Career Services?
- What CSC at Jacobs University does
- Introduction into Career Advising Seminars
- The Internship Program (how to get a voluntary internship)
- Interview training

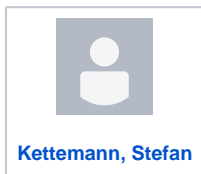
- How to write a CV recommendations
- Career Center Website by JobTeaser
- Career Events

Tu 19.11. 9:45 Hans Pfeiffenberger, Alfred Wegener Institut für Polar- und Meeresforschung,

*Challenges and Chances of Scientific Data Management, **Lecture Hall Research III***

Fr 22.11. 12:00-14:00 **Poster presentation** by Data Engineering students in the **East Wing ICC**

The team



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[PhD student positions in Oldenburg](#)

[Hütt, Marc-Thorsten](#) posted on Feb 28, 2020

Dear students, A colleague, who recently accepted a professorship for Biodiversity Theory in Oldenburg, has three open PhD student positions, which might be of interest to you. Best wishes, Marc Hütt ----- e-mail by Professor Gross ----- I am currently advertising three (very attractive) PhD positions, which will form the core of my new lab in Oldenburg....



[Two student jobs in my group](#)

[Hütt, Marc-Thorsten](#) posted on Feb 11, 2020

[EDIT: Student job 1 is closed, but student job 2 is still open] Student job 1: In a research project on disease associated genes I have the following job advertisement for a Data Engineering student (volume 10hrs/week, duration 2-3 months): Creating a website capable of sending parameter choices to run (existing) python code and then displaying the results on the website. Note: A simple solution is the 'binder' framework, but this is *not* what we are looking for....



[MIT Course](#)

[Kettemann, Stefan](#) posted on Feb 10, 2020

I came across this course (<https://missing.csail.mit.edu/> / <https://missing.csail.mit.edu/>) that some of the MIT PhD students put together for their CS students. Something like this would be very useful for the DE students too. At MIT this is a course without credits during the intersession !! provided by Prof. Vikram Unnithan

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[Application for International Summer School, 6-31 July 2020](#)

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[MSCA fellowship in the field of Data Science and IT at the Oslo Metropolitan University in Norway,](#)

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[2020 recruitment of the Helmholtz Einstein International Berlin Research School in Data Science](#)

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