

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**

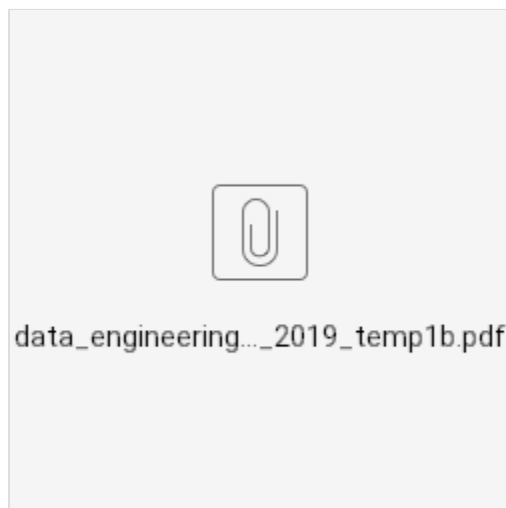
SMS Data Challenge 3.0

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**

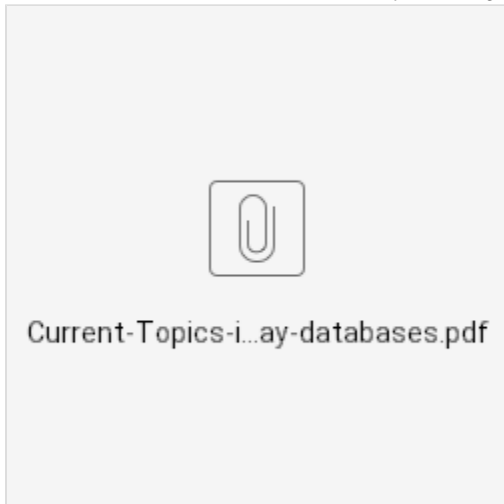


Further references:

- 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**

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

Tu 22.10. 9:45 **Lecture Hall Research III**

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

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

Tu 19.11. 9:45 Hans Pfeiffenberger, Alfred Wegener Institut für Polar- und Meeresforschung, Data Science, **Lecture Hall Research II**

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

The team



Kettemann, Stefan

About us

Schedule of Lectures and Lecture Materials

Blog stream



[AI Experience Seminar](#)

Kettemann, Stefan posted on Oct 11, 2019

a Jacobs alumnus has informed me about the following one-day seminar in Hamburg and I thought it could be interesting for some of our data engineering students and faculty. Could you please share it with them. The registration is free of charge. <https://www.arrow.com/en/family/bu-arrow-ai-experience-2019> <https://www.arrow.com/en/family/bu-arrow-ai-experience-2019> Attached is the program. Best regards,...



[intern in AI:](#)

Kettemann, Stefan posted on Oct 08, 2019

[https://jobs.intel.com/ShowJob/Id/2225097/Working-student-AI-Engineer-Chatbot,-Visual-Computing-\(f-m-d\)](https://jobs.intel.com/ShowJob/Id/2225097/Working-student-AI-Engineer-Chatbot,-Visual-Computing-(f-m-d)) [https://jobs.intel.com/ShowJob/Id/2225097/Working-student-AI-Engineer-Chatbot,-Visual-Computing-\(f-m-d\)](https://jobs.intel.com/ShowJob/Id/2225097/Working-student-AI-Engineer-Chatbot,-Visual-Computing-(f-m-d))

Recently updated

[Current Topics in Data Engineering](#)
Oct 15, 2019 • updated by Unnithan, Vikram • [view change](#)

[AI Experience Seminar](#)
Oct 11, 2019 • created by Kettemann, Stefan

[Current Topics in Data Engineering](#)
Oct 09, 2019 • updated by Kettemann, Stefan • [view change](#)

[Current Topics in Data Engineering](#)

Computing-(f-m-d)/ Note: As I get it, the team has shortlisted two candidates, but they are both outside Germany. So, if we can “quickly” find somebody located in Germany (i.e already has all German papers to be here) with the required technical background, then it’s already a benefit.



[Data Engineering Opportunity](#)

[Kettemann, Stefan](#) posted on Sep 18, 2019

Subject: We're hiring students! Hey Stan! the guys in our repair development department are looking for savvy students who know their way around machine learning in python or R. It's one of the most interesting departments and the task they're looking a student for is super cool. MTU pays a really competitive salary and are ideally looking for someone to write their thesis on (purely for having a model incl. a documentation)....

Oct 09, 2019 • updated by Wilhelm, Adalbert F.X. • view change

[intern in AI:](#)

Oct 08, 2019 • created by Kettemann, Stefan

[Poster Presentation Material 2019](#)

Oct 01, 2019 • updated by Kettemann, Stefan • view change

[Current Topics in Data Engineering](#)

Sep 27, 2019 • updated by Zaspel, Peter • view change

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Sep 26, 2019 • updated by Hütt, Marc-Thorsten • view change

[Merico: Current topics in Modelling and Analysis of Complex Systems](#)

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Sep 24, 2019 • updated by Merico, Agostino • view change