

Dear colleagues,

Please allow me to draw your attention to an upcoming summer school on

Non-Linear Methods for Complex Systems Analysis
from 28.09.-02.10.2015 at the University of Cologne, Germany.
!Application deadline: Friday, July 10th!

This interdisciplinary hands-on workshop is designed for ***Master's degree and PhD students*** from international universities in the fields of study of mathematics, natural sciences, and economics. For a short abstract of the summer school see further below. The complete program and more information on how to register can be found under [/complexsystems.uni-koeln.de/summerschool.html/](http://complexsystems.uni-koeln.de/summerschool.html/).

Feel free to forward this announcement to interested colleagues and students. If you have any questions, please do not hesitate to ask.

Best regards and thanks in advance,
Michael von Papen

Cologne Summer School 2015:
Non-Linear Methods for Complex Systems Analysis
Date: Mon-Fri 28.09-02.10.2015
Location: University of Cologne, Germany
Application deadline: Friday, July 10th

This one-week summer school brings together ***master's degree and PhD students*** from international universities* for an interdisciplinary hands-on learning experience. The workshop will introduce non-linear analysis methods using the Python toolbox pyunicorn. With the techniques presented in the summer school, such as complex networks and phase space concepts, the students will be able to characterize highly complex systems. Such systems are frequently encountered, e.g., in ***biology, chemistry, economics, geoscience, neuroscience, and physics***. Lectures and computer labs will be led by Dr. Reik Donner and Marc Wiedermann from the Potsdam Institute for Climate Impact Research. For the complete program visit ***complexsystems.uni-koeln.de/summerschool.html***. The application deadline is 10.07.2015. The summer school is organized by the Competence Area 3: Quantitative Modeling of Complex Systems of the University of Cologne. Contact: Dr. Michael von Papen (/vonpapen@geo.uni-koeln.de/)

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