

# Fuzzy Systems

## Organizational Matters

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## About me: Rudolf Kruse

- in 1979 diploma in mathematics (minor computer science) at TU Braunschweig
- there dissertation in 1980, Venia Legendi in 1984
- 2 years full-time employee at Fraunhofer Institute
- in 1986 offer of professorship for computer science at TU Braunschweig
- since 1996 professor at the University of Magdeburg
- **research:** data mining, explorative data analysis, fuzzy systems, neuronal networks, evolutionary algorithms, Bayesian networks
- <mailto:kruse@iws.cs.uni-magdeburg.de>
- office: G29-008, telephone: 0391 67-58706
- consultation: Wednesdays, 11 a.m. – 12 noon

# About the working group Computational Intelligence

teaching:

Intelligent Systems	Bachelor (2 V + 2 Ü, 5 CP)
Evolutionary Algorithms	Bachelor (2 V + 2 Ü, 5 CP)
Neuronal Networks	Bachelor (2 V + 2 Ü, 5 CP)
Fuzzy Systems	Master (2 V + 2 Ü, 6 CP)
Bayesian Network	Master (2 V + 2 Ü, 6 CP)
Intelligent Data Analysis	Master (2 V + 2 Ü, 6 CP)
Seminars: Clustering Algorithms, Classification Algorithms	

research examples:

- Analysis and simulation of natural neural networks (C. Braune)
- Decision theory / heuristics / neural networks (C. Doell)
- Analysis of social networks (P. Held)

## About the lecture

- lecture dates: thursdays, 1:15 p.m.–2:45 p.m., G29-K059
- lecture end: 29 January 2015
- information about the course:  
<http://fuzzy.cs.ovgu.de/wiki/pmwiki.php?n=Lehre.FS1415>  
weekly lecture slides as PDF  
also assignment sheets for the exercise  
important announcements and date!

## About the exercise

active participation and explanations of your solutions

tutor will call attention to mistakes and answer questions

pure “calculations” of sample solution is not the purpose

tutor: Christoph Doell <mailto:doell@iws.cs.uni-magdeburg.de>

consultation: when the door of his office is open and he is inside :-)

first assignment due 23 October 2014 (next week!!!)

thursdays, 3:15 p.m.–4:45 p.m., G29-K059 (right after the lecture)

# Conditions for Certificate (“Schein”) and Exam

**No matter if certificate or exam, everybody has to...**

- contribute well in the weekly exercises,
- present  $\geq 2$  solutions to written assignments during exercises,
- tick off  $\geq 50\%$  of all written assignments,
- submit  $\geq 2$  implementations of programming assignments,
- pass exam: oral ( $\approx 25$  minutes) or written (if  $> 20$  students).

**For diploma students: 2 conditions change:**

- tick off  $\geq 66\%$  of all written assignments,
- pass colloquium ( $\approx 10$  min.) or written test (if  $> 20$  students).