Report on the visit of IEEE Computational Intelligence Society Distinguished Lecturer Professor Rudolf Kruse to the French chapter

During his visit, in accordance with the DLP charter, Professor Kruse gave lecture and then hosted a mentoring session, in the form of a master class. Both events are described in the two sections below.

1) Distinguished Lecture

Date of Presentation: March 7th, 2019, 10:30AM-12:00PM.

Co-sponsor of Presentation: DAPA seminars, Laboratory of Paris 6 (LIP6), Sorbonne University.

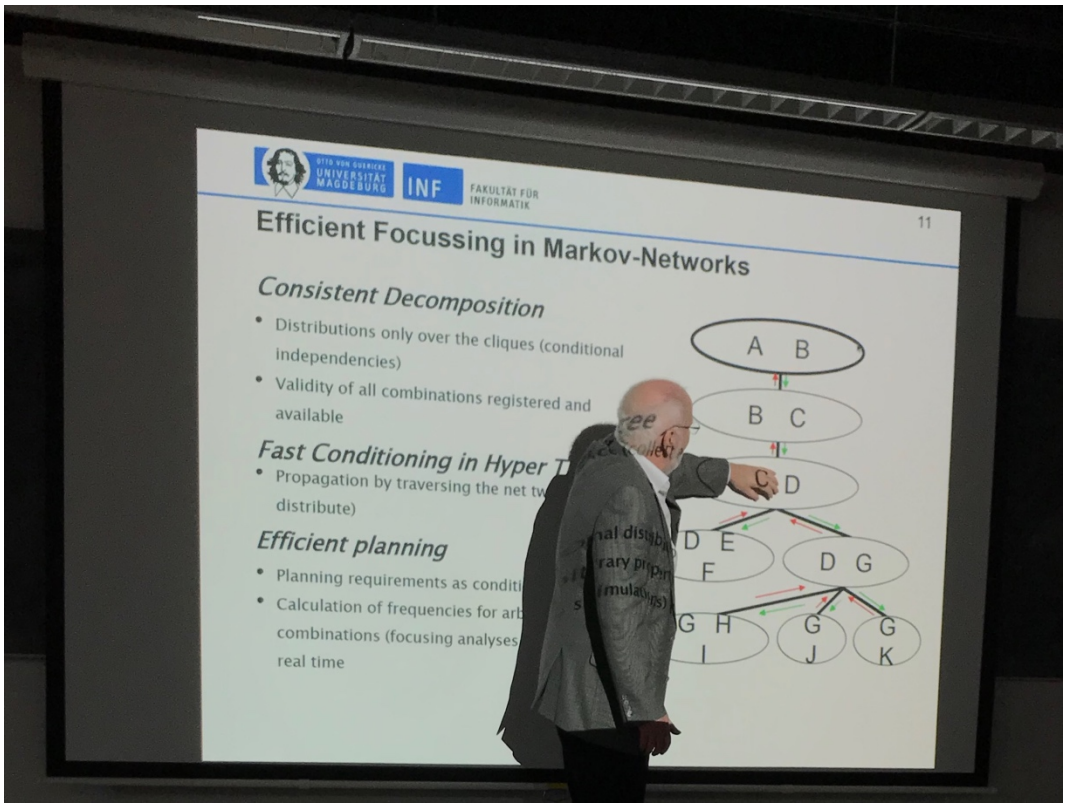
Organisers of Presentation: Adrien Revault d'Allonnes (IEEE France Section CIS Chapter chair), Bernadette Bouchon-Meunier (IEEE France Section CIS Chapter vice-chair), Bernd Amann and Christophe Marsala (co-organizers of DAPA seminars), Benjamin Piwowarski (secretary of DAPA seminars)

Location of Presentation: UPMC Campus, 4 place Jussieu, Paris, room 2526:105

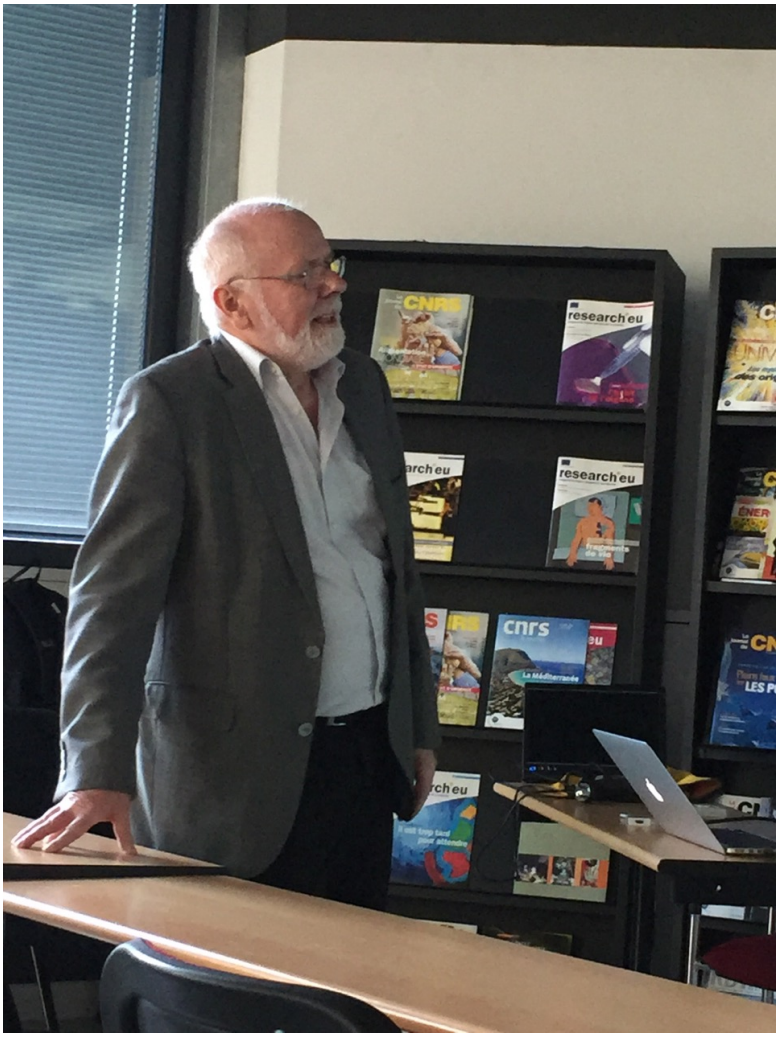
Title of Presentation: "Decomposable Probabilistic and Possibilistic Graphical Models: On Learning, Fusion and Revision"

Abstract of Presentation: Decomposable Graphical Models are of high relevance for complex industrial applications. The Markov network approach is one of their most prominent representatives and an important tool to decompose uncertain knowledge in high dimensional domains. But also relational and possibilistic decompositions turn out to be useful to make reasoning in such domains feasible. Compared to conditioning a decomposable model on given evidence, the learning of the structure of the model from data as well as the fusion of several decomposable models is much more complicated. The important belief change operation revision has been almost entirely disregarded in the past, although the problem of inconsistencies is of utmost relevance for real world applications. In this talk these problems are addressed by presenting several successful complex industrial applications.

Description of the Event: The talk was widely publicized on the France Section website and the LIP6 website, as well as through various emails and eNotices to the CIS France Section Chapter, to LIP6 members and to national AI networks.
Just under thirty people attended the lecture, mainly from the IEEE CIS Chapter and the DAPA department, including PhD students. The lecture was very well received and gave rise to many questions from participants, with detailed answers by DL Kruse.
A dinner with IEEE CIS Chapter representatives was organized, the day before the Distinguished Lecture, as were two lunches, one right after the DL and another after the masterclass Professor Kruse gave the following day, March 8th, leading to many fruitful conversations between professor Kruse and local academics.
Some photos of the event are included below.



Professor Rudolf Kruse during his talk



Group picture after professor Kruse's Distinguished Lecture

Bernadette Bouchon-Meunier, IEEE CIS France chapter vice-chair, at dinner with Rudolf Kruse

Adrian Revault d'Allonnes, IEEE CIS France chapter chair, at dinner with Rudolf Kruse

2) Master class

Event date: March 8th, 2019, 10:00AM-12:00PM.

Event host: Learning Fuzzy and Intelligent systems team (LFI), Computer Science Laboratory of Paris 6 (LIP6), Sorbonne University.

Organisers: Adrien Revault d'Allonnes (IEEE France Section CIS Chapter chair), Bernadette Bouchon-Meunier (IEEE France Section CIS Chapter vice-chair), Marie-Jeanne Lesot (LFI)

Event location: UPMC Campus, 4 place Jussieu, 75005 Paris, room 2526:105

Event theme: "Intelligent Systems"

Description of the Master Class: Although an effort was made to publicise the event, the participants were two local PhD candidates and a recent doctor, all specialised in computational intelligence. A few more attendees watched the session.
Each participant had prepared a fifteen minute presentation of their work, after which Professor Kruse had some time for mentoring, comments and discussion. These exchanges were extremely well received by all participants who found them to be a welcome source of material as well as a refreshing point of view. Most realised their work to be applicable both in scientific and industrial contexts and discovered new literature.

Some photos of the event are included below.

Adrien Revault d'Allonnes,

Bernadette Bouchon-Meunier

April 9th 2019

PhD candidate presentation during Professor Kruse's master class

Professor Kruse with the master class participants