



Newsletter



ECMLPKDD

Würzburg 16.-20.09.2019

Tuesday, 17.09.2019

Boat Trip to Veitshöchheim

About 7 km north of Würzburg lies Veitshöchheim, a quiet but well known place. The true jewel of the town and symbol of its history is the famous Rococo garden with the associated summer residence of the Würzburg prince bishops, designed by Balthasar Neumann. This garden is unique in Germany and is unparalleled in Europe. Today, the grounds still convey a vivid impression of European horticulture in the 18th century.



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Time Table

Keynote	09:00 - 10:00	Parallel Talks	14:00 - 16:00
Best ML Paper	10:00 - 10:30	Coffee Break	16:00 - 16:20
Coffee Break	10:30 - 11:00	Parallel Talks	16:00 - 18:00
Parallel Talks	11:00 - 12:40	Boat Trip to Veitshöchheim	18:15 - 20:00
Lunch Break	12:40 - 14:00	Gala Dinner	20:00 - 22:00

Program Highlights

The second day of ECML-PKDD begins with the keynote address by Professor Aude Billard, followed by the award and presentation of the best paper for Machine Learning, „Agnostic Feature Selection“ by Guillaume Doquet and Michèle Sebag.

The entire conference day begins at 11 am in 4 parallel tracks, featuring 63 presentations divided into 11 different research topics.

The evening program includes a trip to Veitshöchheim and ends with the conference gala at the Würzburg Congress Center.



Aude Billard

École polytechnique
fédérale de Lausanne

Keynote

Machine Learning for Robust and Fast
Control of Manipulation under
Disturbances

Dexterous manipulation of objects is robotics's primary goal. It envisions robots capable of manipulating of packing a variety of objects and of chopping vegetables, at high speed. To manipulate these objects cannot be done with traditional control approaches, for lack of accurate models of objects and contact dynamics. Robotics leverages, hence, the immense progress in machine learning to encapsulate models of uncertainty and to support further advances on adaptive and robust control.

I will present applications of machine learning for controlling robots to learn non-linear control laws and to model complex deformations of objects. I will show applications of this to have robots peel and grate vegetables, manipulate objects jointly with humans and catch flying objects.

Impressions of the Day

