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## Flexible and Robust Control Architectures for Intelligent/Auto (FRCA-IAV): Formal Methods vs. Machine Learning approaches for



Workshop Program -- 13:30-17:30



Preliminary program, may be subject to changes

13:30 - 13:40

Welcome & Introduction



13:40 - 14:30

Keynote speaker 1 talk:



[more details](#)

**14:30 - 14:50** □

(paper 1)

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**14:50 - 15:10** □

(paper 2)

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**15:10 - 15:40**

**Coffee Break** □ (30mn)

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**15:40 - 16:30**

**Keynote speaker** □ **2 talk:**

[more details](#)

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**16:30 - 16:50** □

(paper 3)	“
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<b>16:50 - 17:10</b>	□
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(paper 4)	“
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<b>17:10 - 17:30</b>	
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(paper 5)	“
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<b>17:30</b>	
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<b>Closing</b>	□
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Short Description: This workshop aims to focus on the advantages and limitations of using different kinds of innovative control architectures for autonomous vehicles: based on formal approaches or/and based on machine learning. Submissions illustrating synergetic combinations of these two general methodologies, to obtain a flexible and robust navigation of vehicles in complex environments/scenarios, are in a special interest of the workshop.

Keywords: Intelligent/autonomous vehicles, flexible and robust control architectures, short- vs. long-term planning, long-term autonomy, flexible navigation/maneuvering, reliability guarantees,

motion algorithmization, risk assessment and management, connected and cooperative vehicles, model-based approaches, data-driven approaches, ADAS.

Important dates:

Workshop paper submission deadline: February 7, 2019

Notification of workshop paper acceptance: April 5, 2019

Final workshop paper submission: April 26, 2019

Workshop date: **June 9, 2019**

**During the submission phase, it is important to mention the code: FRCA-IAV** (corresponding to the acronym of the workshop).

[More details on the workshop details, motivations, main topics of interest and global organization are given through this link](#) .

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