

## Call for Contributions

**Inform the Chair:** with the Title of your Contribution

**Submission URL:**

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=ADAPTIVE+2017+Special>

Please select Track Preference as **MAAPL**

Special track

### **MAAPL: Managed Adaptive Automotive Product Line Development**

#### **Chairs and Coordinators:**

Prof. Dr. Andreas Rausch, TU Clausthal, Department of Computer Science, Software Systems Engineering,  
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along with

ADAPTIVE 2017, February 19 - 23, 2017 - Athens, Greece

The Ninth International Conference on Adaptive and  
Self-Adaptive Systems and Applications

<http://www.iaria.org/conferences2017/ADAPTIVE17.html>

More than a decade ago, the term automotive software engineering was officially introduced in the software community addressing research challenges and technical issues encountering software development in automotive domain. Today automotive manufacturers and suppliers design and implement complex applications by mechanisms that allow them to implement such functionality on integrated platforms. This offers the opportunity to build a variety of similar systems with a minimum of technical diversity and thus allows for strategic reuse of components. This has resulted in a growing interest in software product line approaches in the automotive systems domain.

MAAPL, a special track at ADAPTIVE 2017, targets advanced approaches on adaptive product line development and life-cycle management for automotive software. Adaptation is a key feature to enable long-term evolution of automotive software product lines. How to adapt to emerging product line requirements, and how to manage variability and product derivation are challenging duties.

We solicit academic, research, and industrial contributions. We welcome technical papers presenting research and practical results, position papers, survey papers addressing the key problems and solutions on any of the above topics, and short papers on work in progress.

#### **Set of subtopics we expect for contributions:**

- Automotive software product line evolution and life-cycle
- Automotive software product line design, architecture, and implementation
- Automotive software product line architecture reengineering
- Automotive software variability management and product derivation
- Traceability between product line architecture, feature model, requirements and implementation artifacts
- Incremental development of automotive software product lines
- Non-traditional applications of automotive software product line concepts

- Extraction of reusable components of automotive software
- Case studies and benchmark examples related to all of the above topics
- Experience Reports related to all of the above topics
- Tools and Methods supporting all of the above topics

### **Important Datelines**

- Inform the Chair: As soon as you decided and secured the financial support
- Submission: January 15
- Notification for camera-ready: January 25
- Registration: February 5
- Camera ready: February 8

### **Contribution Types**

- Regular papers [in the proceedings, digital library]
- Short papers (work in progress) [in the proceedings, digital library]
- Posters: two pages [in the proceedings, digital library]
- Posters: slide only [slide-deck posted on [www.iaria.org](http://www.iaria.org)]
- Presentations: slide only [slide-deck posted on [www.iaria.org](http://www.iaria.org)]
- Demos: two pages [posted on [www.iaria.org](http://www.iaria.org)]

### **Paper Format**

- See: <http://www.iaria.org/format.html>
- Before submission, please check and comply with the editorial rules: <http://www.iaria.org/editorialrules.html>

### **Publications**

- Extended versions of selected papers will be published in IARIA Journals: <http://www.iariajournals.org>
- Print proceedings will be available via Curran Associates, Inc.: <http://www.proceedings.com/9769.html>
- Articles will be archived in the free access ThinkMind Digital Library: <http://www.thinkmind.org>

### **Paper Submission**

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=ADAPTIVE+2017+Special>  
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### **Registration**

- Each accepted paper needs at least one full registration, before the camera-ready manuscript can be included in the proceedings.
- Registration fees are available at <http://www.iaria.org/registration.html>

### **Chair and Coordinator**

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