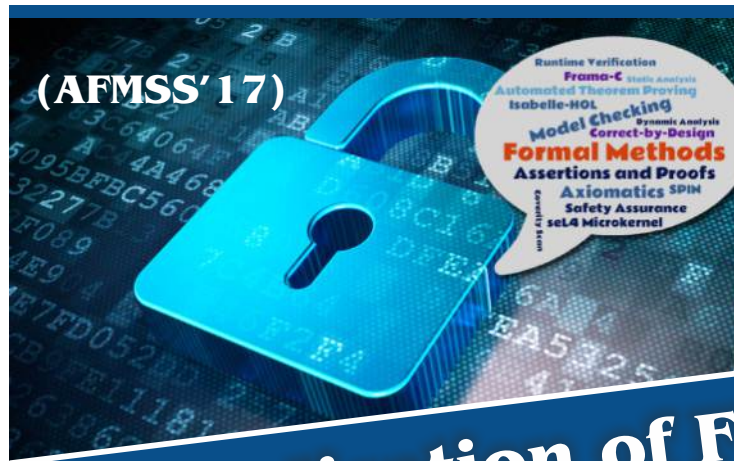


(AFMSS' 17)



Honeywell

## 2nd Symposium on

# Application of Formal Methods for Safety & Security of Critical Systems

BANGALORE, INDIA.

Dec. 7th - 9th 2017

Venue:

CSIR

NATIONAL AEROSPACE LABORATORIES  
 BANGALORE, INDIA.

### THEME

Software is pervading literally every domain like consumer, automotive, aerospace, medical, and railways. The systems are also becoming highly complex and software intensive with features like re-configurability. It is imperative that it be ensured that the software in these systems is very safe and secure. The aim of the workshop is to provide a forum wherein an awareness regarding the practical applicability of Formal Methods towards enhancing safety and security of safety critical systems in various industries will be created. In particular, the workshop will bring together scientists and engineers who are active in the area of formal methods and interested in exchanging their experiences in the industrial usage of these methods. The workshop series also strives to promote research and development for the improvement of formal methods and tools for industrial applications.

**Objectives:** (Papers will be published in Springer LNCS series)

Original and High-Quality contributions are solicited from Industry, R&D and Academia on a broad range of topics listed below, but not limited to;

### TOPICS

- Software Design using Formal Methods
- Requirement Specification based on Formal Methods
- Code Generation and Testing using Formal Methods
- Methods, Tools & Techniques for Automated Analysis
- Software Certification
- Debugging, Learning, Optimization and Transformation of Complex & Distributed Real-Time Embedded Systems
- Verification & Validation Methodologies & Techniques
- Tools for Development of Formal Design Descriptions
- Case Studies & Industrial Reports - Applications of Formal Methods
- Certification aspects towards Safety Critical Applications

### Sessions

- User Story
- Industry Experience
- Academia
- Education
- PhD Research
- Tools



### IMPORTANT DEADLINES

- Paper Submission : **Sept. 10<sup>th</sup> 2017**  
 Notification Due : **Oct. 10<sup>th</sup> 2017**  
 Camera-ready Copy : **Oct. 25<sup>th</sup> 2017**  
 Registration Due : **Oct. 25<sup>th</sup> 2017**

For paper submissions / participation:

**Dr. MANJU NANDA,**

Senior Principal Scientist,

CSIR- National Aerospace Laboratories,  
 Aerospace Electronics & Systems Division (ALD)

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## ABOUT CSIR-NAL & FM

Software Engineering Group, Aerospace Electronics & Systems Division, at CSIR National Aerospace Laboratories has rich pioneering Research and Development experience in Formal Methods. We are proud of the fact that CSIR National Aerospace Laboratories was the first to start using the Formal Methods for SARAS project. There are dedicated Scientists and Research personnel working on live projects using Formal Methods. CSIR National Aerospace Laboratories have a tie-up with Honeywell Technology Solutions (HTS) and Robert Bosch India Pvt Ltd (RBEI).

## REGISTRATION FEES

### Symposium & Hands-On Registration

	<u>Indian Delegates</u>	<u>Overseas Delegates</u>
Industry / Corporate	₹ 15,000/- (INR)	\$ 250/- (USD)
R&D Labs/Academia Labs	₹ 8,000/- (INR)	\$ 150/- (USD)
Students	₹ 2,500/- (INR)	\$ 50/- (USD)

### Symposium Registration

Industry / Corporate	₹ 9,500/- (INR)	\$ 150/- (USD)
R&D Labs/Academia Labs	₹ 5,000/- (INR)	\$ 50/- (USD)
Students	₹ 2,000/- (INR)	\$ 35/- (USD)

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**Mr. G Venkata Reddy**, Sc. G, DRDO-RCI

**Prof. Kristin Yvonne Rozier**, Iowa State

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For REGISTRATIONS please contact:

**Mr. SRIDHAR**, Manager, (Cell No. 94489 05268)

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