

ESWEEK 2018 Program Overview

Date	Time	Event	Title	Room
Sep. 30 (Sunday) Tutorial Day	9:00am - 1:00pm	Half-day Tutorial	Embedded Machine Learning Today and Tomorrow	Giolitti
			Spectrum of Run-time Management for Modern and Next Generation Multi/Many-core Systems	Einaudi
	2:00pm - 6:00pm	Half-day Tutorial	Kickstarting Developing on seL4, the World's Most Trustworthy and Difficult to Work With Microkernel	Giolitti
			A Comprehensive Analysis of Approximate Computing Techniques: From Component- to Application-Level	Einaudi
	9:00am - 6:00pm	Full-day Tutorial	Schedulability Analysis Under Uncertainty Using Formal Methods	Sella
Oct. 1 (Monday)	8.15am - 9.00am	Opening Session		Cavour
	9.00am - 10.00am	Keynote	Prof. Tom Henzinger: The First-Order Logic of Signals	Cavour
	10.00am - 10.30am	Coffee Break		
	10.30am - 12.00pm	Session 1A	CASES: High-Level Synthesis	Cavour
	10.30am - 12.00pm	Session 1B	CODES+ISSS: Embedded Learning 1	Giolitti
	10.30am - 12.00pm	Session 1C	EMSOFT:Hardware Management	Einaudi
	12.00pm - 12.30pm	Poster Session		
	12.30pm - 2:00pm	Lunch		
	1:00pm - 1:45pm	lunch tutorial	F1/10 tutorial	Sella
	1:00pm - 1:45pm	Industry tutorial	ARM tutorial	Einaudi
	2:00pm - 3.30pm	Session 2A	CASES: Reconfigurable Architectures for Neural Networks	Cavour
	2:00pm - 3.30pm	Session 2B	CODES+ISSS: Power-efficient Designs	Giolitti
	2:00pm - 3.30pm	Session 2C	EMSOFT:Runtime Monitoring and Numerical Stability	Einaudi
	3.30pm - 4:00pm	Poster Session		
	4:00pm - 5.30pm	Session 3A	Special Session: Future Automotive Systems Design: Research Challenges and Opportunities	Cavour
	4:00pm - 5.30pm	Session 3B	CODES+ISSS: Resilient Embedded Systems	Giolitti
	4:00pm - 5.30pm	Session 3C	EMSOFT:Hybrid Systems	Einaudi
	5.30pm - 6:00pm	Poster Session		
5:30pm - 6:30pm		F1/10 challenge	Torino Hall	
Oct. 2 (Tuesday) IoT day			Prof. Ahmad-Reza Sadeghi: Hitchhiker's Guide to the IoT Galaxy full of Security & Privacy Challenges (An Attempt)	Cavour
	9.00am - 10.00am	Keynote		
	10.00am - 10.30am	Coffee Break		
	10.30am - 12.00pm	Session 4A	CASES: Architectures and Compilers for Real-Time Systems	Cavour
	10.30am - 12.00pm	Session 4B	CODES+ISSS: Embedded Learning 2	Giolitti
	10.30am - 12.00pm	Session 4C	EMSOFT:Automata	Einaudi
	10.30am - 12.00pm	Session 4D	IOT Track: Edge Computing for IoT	Sella
	12.00pm - 12.30pm	Poster Session		
	12.30pm - 2:00pm	Lunch		
	1:00pm - 1:45pm	lunch tutorial	F1/10 tutorial	Sella
	1:00pm - 1:45pm	Industry tutorial	Xilinx tutorial	Einaudi
	2:00pm - 3.30pm	Session 5A	CASES: Neural Network Accelerators	Cavour
	2:00pm - 3.30pm	Session 5B	CODES+ISSS: Flash Memories	Giolitti
	2:00pm - 3.30pm	Session 5C	EMSOFT: Real-Time Scheduling	Einaudi

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	2:00pm - 3.30pm	Session 5D	IOT Track:Security and Efficiency of IoT Devices	Sella
	3.30pm - 4:00pm	Poster Session		
	4:00pm - 5.30pm	Session 6A	CASES: Efficient Memory and Storage	Cavour
	4:00pm - 5.30pm	Session 6B	CODES+ISSS: Real-Time Systems	Giolitti
	4:00pm - 5.30pm	Session 6C	EMSOFT: Data Retrieval, Streaming, and Processing	Einaudi
	4:00pm - 5.30pm	Session 6D	IOT special session: The Future of IoT Security	Sella
	5.30pm - 6:00pm	Poster Session		
	7.00pm	Social Event		
Oct. 3 (Wed.)	9.00am - 10.00am	Keynote	Dr. Jie Liu: Outside-In Autonomous Systems	Cavour
	10.00am - 10.30am	Coffee Break		
	10.30am - 12.00pm	Session 7A	CASES: Embedded Systems Security	Cavour
	10.30am - 12.00pm	Session 7B	CODES+ISSS: Embedded System Design Tools	Giolitti
	10.30am - 12.00pm	Session 7C	EMSOFT:Autonomous Systems	Einaudi
	10.30am - 12.00pm	Session 7D	Special session: Embedded Software for Robotics: Challenges and Future Directions	Sella
	12.00pm - 12.30pm	Poster Session		
	12.30pm - 2:00pm	Lunch		
	1:00pm - 1:45pm	lunch tutorial	F1/10 tutorial	Sella
	12:30pm - 2:00pm		Women in ESWEEK meeting	Sala Stampa
	2:00pm - 3.30pm	Session 8A	CASES: Cache Memory Management	Cavour
	2:00pm - 3.30pm	Session 8B	Special Session: Design and Deployment of Advanced Driver Assistance Systems in Ground Vehicles	Giolitti
	2:00pm - 3.30pm	Session 8C	EMSOFT: Verification	Einaudi
	3.30pm - 4:00pm	Poster Session		
	4:00pm - 5.30pm	Session 9A	Special Session: "Towards Secure Computer Architecture: Understanding Security Vulnerabilities and Emerging Attacks for Better Defenses"	Cavour
	4:00pm - 5.30pm	Session 9B	CODES+ISSS: Embedded Accelerators	Giolitti
	4:00pm - 5.30pm	Session 9C	EMSOFT:End-to-End Latency	Einaudi
	5.30pm - 6:00pm	Poster Session		
6:00pm - 7.30pm	ESWEEK panel	CPS: Here to stay or another fad?	Cavour	
7:15pm-7:45pm	Closing	Awards Ceremony + Closing	Cavour	
Oct. 4 (Thursday)	9:00am - 6:00pm	Symposia	NOCS (Network on Chips)	Cavour
			RSP (Rapid System Prototyping)	Einaudi
		Workshops	HENP(Highly Efficient Neural Processing)	Giolitti
			INTESA(INTelligent Embedded Systems Architectures and Applications)	Sella
			EWiLi(embedded operating system workshop)	Mollino
			CyPhy(Model-Based Design of Cyber Physical Systems) and WESE(Embedded and Cyber-Physical Systems Education)	Sala Stampa
Oct. 5 (Friday)	9:00am - 6:00pm	Symposia	NOCS (Network on Chips)	Cavour
			RSP (Rapid System Prototyping)	Einaudi
		Workshops	CyPhy(Model-Based Design of Cyber Physical Systems) and WESE(Embedded and Cyber-Physical Systems Education)	Sala Stampa