

CSI National Workshop/Conference on Formal Methods-NCFM October 15th-17th, 2014

At

MRC Auditorium, Indian Institute of Science, Bengaluru

DAY THREE CONFERENCE 17th October 2014 9.00 AM -5.00 PM

Topic	Speaker	Time
Formal Verification at Nvidia	Dr Kalyan Krishnamani	9.00-9.30
Should we use formal methods in Flight Controls?	Dr. Yogananda	9.30-10.00
Challenges in Static analysis and testing in the Industry	Mr.R Venky	10.00-10.30
Formal Methods for Assurance of Safety Critical Systems: A case study	N Ranjana,	10.30-11.00
TEA BREAK 11.00-11.30AM		
Title: Formal methods at MathWorks Abstract: This talk will present an overview of the formal methods activities at MathWorks. We will present some of the ways in which our customers are deploying formal methods technologies and the value that they see in these technologies. We will present some of the technical challenges in developing solutions for customer needs. Some of these	Dr. PrahladSampath and Dr. Manoj Dixit	11.30-12.00

challenges are pragmatic problems and are amenable to engineering solutions, but some of the challenges require fundamental breakthroughs to be addressed effectively.		
Formal Methods for Assurance of Safety Critical Systems: A case study	Dr. Sudarasan	12.00-12.30
Industry perspective on the use of formal methods and program analysis for embedded systems	Dr. Raoul Jetley	12.30-1.00
LUNCH BREAK 1.00-2.00PM		
Case Study by MCSRDC-HAL	Shailashree Patil	
Development of Large scale airborne embedded application for a fighter aircraft	Mr. B S Reddy	2.30-3.00
Beyond Security: A case study	Team Beyond Security	3.00-3.15
Valedictory 3.15-4.00		
High Tea 4.00-4.30		