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15 – 17 December 2020

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AsianHOST 2018 Technical Program

Featured Speakers / Panelists

INVITED SPEAKER
Sharad Malik
Princeton University

INVITED SPEAKER
V. Kamakoti
Indian Institute of Technology Madras

INVITED SPEAKER
Ingrid Verbauwhede
Research group COSIC, KU Leuven

INVITED SPEAKER
Jason Fung
Intel Corporation

December 16, 2020 (DAY 1)

6:15 PM - 6:30 PM India Time (8:00AM - 8:15 EST) (9:00PM - 9:15PM Beijing Time) Opening Remarks from AsianHOST2020 General Chairs & PC Chairs

6:30 PM - 6:45 PM India Time (8:00AM - 8:15 EST) (9:00PM - 9:15PM Beijing Time) Introduction of the Hardware Security and Trust Technical Committee
Yao-Wen Chang, IEEE CEDA President
Gang Qu, IEEE HSTTC Co-Chair
Yier Jin, IEEE HSTTC Co-Chair

6:45 PM - 7:15 PM India Time (8:15AM - 8:45AM EST) (9:15PM - 9:45PM Beijing Time) Pramod Subramanyan Memorial Lecture
Session Chair: Rajat Subhra Chakraborty, IITKGP
Speaker: Prof. Sharad Malik, Princeton University, USA
This lecture is dedicated to the memory and legacy of Pramod Subramanyan, who in a short span of a few years has left an indelible mark on the field of Hardware Security.

7:15PM - 8:00PM India Time (8:45AM - 9:30AM EST) (9:45PM - 10:30PM Beijing Time) PAPER SESSION 1: HARDWARE ROOT OF TRUST
Session Chair: Ulrich Ruhrmair, Ruhr University Bochum

8:00PM - 8:15PM India Time (9:30AM - 9:45AM EST) (10:30PM - 10:45PM Beijing Time) BREAK

8:15PM - 9:15PM India Time (9:45AM - 10:45AM EST) (10:45PM - 11:45PM Beijing Time) PAPER SESSION 2: SIDE CHANNEL AND FAULT ATTACKS
Session Chair: Chester Rebeiro, IIT Madras

9:15PM - 9:30PM India Time (10:45AM - 11:00AM EST) (11:45PM - 12:00AM Beijing Time) BREAK

9:30 PM - 10:00 PM India Time (11:00AM - 11:30AM EST) (12:00AM - 12:30AM Beijing Time) Keynote talk 2
Session Chair: Yier Jin, Univ of Florida, USA
Speaker: Mr. Jason Fung, Intel Corporation

10:00PM - 11:00PM India Time (11:30AM - 12:30PM EST) (12:30AM - 01:30AM Beijing Time) SHORT PAPER SESSION
Session Chair: Shivam Bhasin,NTU Singapore

December 17, 2020 (DAY 2)

6:30PM - 7:30 PM India Time (8:00AM - 9:00AM EST) (9:00PM - 10:00PM Beijing Time) PhD Forum

7:30 PM - 8:00 PM India Time (9:00AM - 9:30AM EST) (10:00PM - 10:30PM Beijing Time)
Keynote talk 3
Session Chair: Debdeep Mukhopadhyay, IIT Kharagpur, India
Speaker: Prof. Ingrid Verbauwhede, K. U. Leuven, Belgium

8:00PM - 8:45PM India Time (9:30AM - 10:15AM EST) (10:30PM - 11:15PM Beijing Time)
PAPER SESSION 3: LEAKAGE ANALYSIS USING FORMAL TOOLS & ML FOR SECURITY
Session Chair: Anupam Chattopadhyay, NTU Singapore

8:45PM - 9:00PM India Time (10:15AM - 10:30AM EST) (11:15PM - 11:30PM Beijing Time) BREAK

9:00PM - 9:45PM India Time (10:30AM - 11:15AM EST) (11:30PM - 12:15AM Beijing Time)
PAPER SESSION 4: LOGIC LOCKING AND PUFS
Session Chair: Subidh Ali, IIT Bhilai

9:45PM - 10:00PM India Time (11:15AM - 11:30AM EST) (12:15AM - 12:30AM Beijing Time) BREAK

10:00 PM - 10:30 PM India Time (11:30AM - 12:00PM EST) (12:30AM - 01:00AM Beijing Time) Keynote talk 4
Session Chair: Pingqiang Zhou, Shanghai-Tech
Speaker: Prof. V Kamakoti, IIT Madras

10:30PM - 11:30PM India Time (12:00PM - 1:00PM EST) (1:00AM - 2:00AM Beijing Time) PANEL DISCUSSION
Topic: *AI for Hardware Security: Boon or Bane*
Panel Moderator: Chester Rebeiro, Indian Institute of Technology Madras, India
Panelists:

Avi Mendelson, Technion, Israel

Stjpean Picek, Delft University of Technology, Netherlands

Domenic Forte, University of Florida, USA

Rosario Cammarota, Intel Corporation

Lejla Batina, Radboud University, Netherlands

11:30PM - 11:40PM India Time (1:00PM - 1:10PM EST) (02:00AM - 02:10AM Beijing Time) CONCLUDING REMARKS