



**Twenty-First Annual IFIP WG 11.9 International Conference on Digital Forensics**  
**Eros Hotel, Nehru Place, New Delhi, India**  
**January 6-7, 2025**

**January 5, 2025 (Sunday)**

**07:15pm - 09:00pm: Dinner (Hotel guests only)**  
**Meet in the Hotel Lobby @ 07:00pm**

**January 6, 2025 (Monday)**

**07:30am - 08:45am: Breakfast (Eros Hotel, Nehru Place; Hotel guests only)**

**08:50am - 09:00am: Welcoming Remarks and Logistics**

**09:00am - 10:10am: Keynote Lecture**

*Keynote Lecture*  
TBD

**10:10am - 11:10am: Session 1**

Chair: TBD

*Digital Forensics of Chat Logs Using Large Language Models*

Yueheng Mao, Min Yu, Kam-Pui Chow, Pengbo Zhang, Jianguo Jiang, Gang Li, Xiang Meng and Weiqing Huang  
Chinese Academy of Sciences, Beijing, China  
University of Hong Kong, Hong Kong, China  
Deakin University, Geelong, Australia

*Optimizing Digital Evidence Collection Using Built-in Instant Messaging Solutions and Large Language Models*

Yi Anson Lam, Siu-Ming Yiu and Kam-Pui Chow  
University of Hong Kong, Hong Kong, China

**11:10am - 11:30am: Break with Refreshments**

**11:30am - 12:30pm: Session 2**

Chair: TBD

*Forensic Insights into Cryptocurrency Wallet Applications on OPPO Android Smartphones*

Deepa Ambika Sasidharan Nair, B. Bindhu and S.P. Sunil  
Kerala Forensic Science Laboratory, Thiruvananthapuram, India  
Nooral Islam Centre for Higher Education, Kumaracoil, India

*Leveraging Security Vulnerabilities for Proactive Dashcam Forensics*

Vishal Srivastava, Pulkit Garg and Gaurav Gupta  
Indian Institute of Technology Jodhpur, Jodhpur, India  
Ministry of Electronics and Information Technology, New Delhi, India

**12:30pm - 01:30pm: Sponsor Presentations**

**01:30pm - 02:15pm: Lunch (Eros Hotel, Nehru Place)**

## **January 6, 2025 (Monday) (continued)**

### **02:15pm - 03:45pm: Session 3**

Chair: Sujeet Sheno, University of Tulsa, Tulsa, Oklahoma, USA

*Explanatory Phishing Message Detection Based on Persuasion Structure*

Cheuk-Yu Ip, Yi Anson Lam and Siu-Ming Yiu

University of Hong Kong, Hong Kong, China

*A Steganalysis Method Targeting GAN-Based Stego Variants by Maximizing Commonality Features*

Ruiyao Yang, Yu Yang and Linna Zhou

Beijing University of Posts and Telecommunications, Beijing, China

*Universal Counterfeit Bag Detection Framework Based on Supervised Contrastive Learning*

Yaotian Yang, Yu Yang, Jixin Zou, Linna Zhou and Zhihao Li

Beijing University of Posts and Telecommunications, Beijing, China

Institute of Forensic Science, Beijing, China

### **04:45pm - 06:15pm: Sponsor Presentations and Refreshments**

### **07:30pm - 09:00pm: Dinner (Hotel guests only)**

**Meet in the Hotel Lobby @ 07:00pm**

## **January 7, 2025 (Tuesday)**

**07:30am - 08:45am: Breakfast (Eros Hotel, Nehru Place; Hotel guests only)**

**09:00am - 10:00am: Keynote Lecture**

*Keynote Lecture*  
TBD

**10:00am - 11:00am: Session 4**

Chair: TBD

*A Unified Framework for Automated Vehicle Toll Fraud Prevention*

Arvind Kumar Meena, Anushka Gupta and Gaurav Gupta

Maharaja Agrasen Institute of Technology, New Delhi, India

Dr. Akhilesh Das Gupta Institute of Professional Studies, New Delhi, India

Ministry of Electronics and Information Technology, New Delhi, India

*Digital Evidence Analysis Using Temporal Network Based Evidence Analysis from Digital Data*

Cady Hoffmann and Krishnendu Ghosh

College of Charleston, Charleston, South Carolina, USA

**11:00am - 11:30am: Break with Refreshments**

**11:30am - 12:30pm: Session 5**

Chair: TBD

*A Unified Cyber Threat Intelligence and Digital Forensics Framework for Proactive Attack Detection and Mitigation*

Anurag Chandra and Sheeba Armoogum

Defence and Aviation, New Delhi, India

University of Mauritius, Reduit, Mauritius

*A Comprehensive Workflow for Cloud Forensics*

Pranitha Sanda, Digambar Pawar, Radha Vedala and Keshav Shrivastava

University of Hyderabad, Hyderabad, India

Institute for Development and Research in Banking Technology, Hyderabad, India

**12:30pm - 01:30pm: Sponsor Presentations**

**01:30pm - 02:30pm: Lunch (Eros Hotel, Nehru Place)**

**02:30pm - 03:30pm: Keynote Lecture**

*Keynote Lecture*  
TBD

**03:30pm - 04:30pm: Session 6**

Chair: TBD

*A Practical Benchmark for Evaluating Deepfake Detection Algorithms*

Jianguo Jiang, Huan Wang, Fuqiang Du, Kam-Pui Chow, Jiawen Wang, Yachao Liang, Boquan Li, Lanchi Xie and Min Yu

Chinese Academy of Sciences, Beijing, China

University of Hong Kong, Hong Kong, China

Harbin Engineering University, Harbin, China

Institute of Forensic Science, Beijing, China

*Exploiting a Logic Vulnerability in Tor Cell Integrity Validation*

Can Zhao, Qingfeng Zhang, Baiwei Duan, Xuebin Wang, Qingyun Liu and Jinqiao Shi

Chinese Academy of Sciences, Beijing, China

Beijing University of Posts and Telecommunications, Beijing, China

**04:30pm - 05:45pm: Sponsor Presentations and Refreshments**