CGC UNIVERSITY MOHALI

Shaping Tomorrow, Today

Our Legacy

Academic Partner

EDITH COWAN UNIVERSITY

INTERNATIONAL CONFERENCE ICATFI 2026

International Conference on AI Transforming Forensic & Criminal Investigations

Jointly Organised by

School of Legal Studies and Advanced Centre for Research and Innovation

Conference Dates: 3rd - 4th July, 2026

Venue: School of Legal Studies, CGC University, Mohali, Punjab

Mode: Hybrid (Online & Offline)



Conference Registration

Category	Indian Delegates (INR)	Foreign Delegates (USD)
Paper Presentation	2,000	50
Attendees/Participation	1,000	50

Selected papers will be published in Scopus Indexed Book Series and extra charges for the same would apply.

Fee: Only one co-author shall be permitted. The registration fee is non-refundable.

About CGC University, Mohali

About CGC University, MohaliFounded in 2025 under the Chandigarh Educational Society, CGC University, Mohali builds on a 25+ year legacy of academic excellence. With NAAC A+ Accreditation, NIRF rankings, NBA Accreditation and a QS I-GAUGE Platinum rating, the university stands for quality education, innovation, and student success.Driven by an AI-enabled ecosystem and a Gen Z-centered vision, CGC University blends modern technology with industry-focused learning to prepare students for the future of work.

Its state-of-the-art infrastructure, experienced faculty, and focus on holistic growth empower students to become skilled professionals, entrepreneurs, and leaders.With affordable education and a global outlook, CGC University, Mohali is truly a next-generation destination for higher learning.

About School of Legal Studies

School of Legal Studies, CGC University, Mohali, is committed to cultivating the next generation of legal professionals through a balanced blend of rigorous academics and comprehensive practical training. Offering B.A. LL.B (Hons.), B.A. LL.B., B.Com LL.B., BBA LL.B., and a three-year LL.B. program, SLS provides multiple pathways for students aspiring to build impactful careers in law. The faculty comprises experienced legal scholars and practitioners dedicated to guiding students through both foundational legal theory and real-world application.
The School's infrastructure supports experiential learning through a well-equipped moot court room, an active legal aid clinic, and a library enriched with extensive digital resources. Students benefit from structured opportunities for corporate and legal internships coordinated by a dedicated placement cell that connects them with leading recruiters. Regular moot court competitions further enhance students' advocacy, research, and analytical abilities.
The mission of the School of Legal Studies is to educate competent legal professionals and foster ethical, informed, and socially responsible leaders prepared to contribute meaningfully to the justice system in India and beyond.

About the Conference

Artificial Intelligence is reshaping the contemporary landscape of forensic science. From analyzing vast datasets to enhancing the precision of DNA profiling, pattern recognition, digital forensics, and automated crime-scene reconstruction, AI promises unprecedented efficiency, accuracy, and investigative capability. Yet, alongside these advancements lies a complex terrain of legal, ethical, and societal challenges. Concerns of algorithmic bias, opaque decision-making, unregulated predictive tools, privacy intrusions, and accountability dilemmas raise crucial questions for the criminal justice system.

This conference offers an interdisciplinary platform to explore the technological transformation of forensic investigations through AI. It aims to critically evaluate both the potential and perils of AI-driven forensic tools, fostering dialogue among scholars, investigators, technologists, and policymakers working at the intersection of law, science, and ethics.

Conference Objectives

1. To explore how AI-driven tools are reshaping forensic science, including digital forensics, biometrics, behavioural analysis, and crime-scene reconstruction.
2. To analyse legal and constitutional implications of algorithm-based evidence, due process concerns, admissibility standards, and accountability gaps in justice delivery.
3. To examine ethical dilemmas across disciplines, including bias, fairness, transparency, explainability, and the protection of individual rights in AI-assisted investigations.
4. To encourage collaboration between technologists, forensic practitioners, legal scholars, and policymakers for developing safe, reliable, and rights-respecting AI systems.
5. To promote interdisciplinary research linking computer science, forensic science, law, criminology, public policy, and ethics for developing holistic solutions to technological challenges.
6. To evaluate case studies and real-world applications of AI in policing, courts, cybersecurity, and evidence management across different jurisdictions.



Call for Papers

1. Prospective authors are encouraged to submit their original and unpublished research paper (which is not under review in any other conference/ Journal) on the given themes.
2. Submissions must be plagiarism & AI free.
3. All submissions must be in English only.
4. All abstracts shall be published in the conference proceedings in an ISBN book.
5. After the conference, selected papers will be published in an edited book (with ISBN & Scopus Indexed), paper processing may be charged for scopus index publishers.

IMPORTANT DATES

Abstract Submission Deadline 10th June, 2026	**Full Paper Submission** 20th June,2026
Abstract Acceptance Notification 13th June, 2026	**Registration Deadline** 15th June, 2026

BANK DETAILS

CHANDIGARH LAW COLLEGE, JHANJERI
R&D ACCOUNT DETAILS
Account No. 42591429590
IFS Code: SBIN0017008
Branch: CGC Campus Jhanjeri

For Queries

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Scan Here for Registration

https://forms.gle/snEs64d5YPMXYJ9U9

Themes

AI and Emerging Technologies in Forensic Science

- Foundations of AI tools used in forensic work
- Machine learning applications in evidence analysis
- Automation and smart laboratory systems
- Integrating digital and traditional forensic methods
- Future directions in tech-driven forensic science

Explainable AI and Applications in Cyber Forensics

- Need for interpretability in forensic decision tools
- XAI models for malware detection and digital tracing
- Transparency concerns in automated cyber investigations
- Improving trust and usability through explainable design
- Future pathways for XAI in digital forensics

Digital Transformation of Criminal Justice Institutions

- Modernising courts, policing, and investigation units
- AI-enabled administrative and operational systems
- Digital workflows for evidence, records & communication
- Barriers to institutional adaptation
- Long-term transformation of justice delivery

Accountability and Liability in AI-Assisted Forensic Processes

- Responsibility for AI-generated forensic outcomes
- Liability in cases involving automated decision tools
- Challenges in expert testimony involving AI systems
- Chain-of-custody issues with digital tools
- Strengthening oversight and verification mechanisms

Algorithmic Bias, Discrimination & Wrongful Convictions

- Biases in training data and forensic models
- Real-world examples of flawed automated decisions
- Impact on marginalised communities
- Ensuring fairness and reliability in AI tools
- Pathways for safer and unbiased investigation systems





AI, Ethics & Human Rights in Justice Administration

- Ethical risks in automated investigation
- Human rights implications of AI-based profiling
- Balancing innovation with procedural fairness
- Protecting autonomy and dignity in justice systems
- Ethical governance frameworks

Regulating AI in Criminal Justice

- Key ideas from the EU AI Act
- U.S. AI Bill of Rights and sectoral policies
- India's evolving regulatory architecture
- Need for domain-specific controls in justice systems
- Envisioning a global model for AI governance

AI, Psychology & Behavioural Profiling

- Behavioural analytics powered by AI
- Psychological risk assessment tools
- AI-assisted offender profiling
- Ethical concerns in pattern-based predictions
- Future intersections of psychology and AI

Data Governance, Privacy, and Cybersecurity

- Secure handling of digital evidence
- Privacy issues in AI-driven investigations
- Cybersecurity vulnerabilities in automated platforms
- Data protection norms and compliance models
- Building resilient digital investigation systems

International Academic Partnership

1. **Joshua Aston JP,** Associate Professor, ECU School of Business and Law , Edith Cowan University
2. **Dr. Anurag Khandelwal,** Assistant Professor of Computer Science
3. **Dr. Gagangeet Aujla,** Associate Professor Computer Science Department Durham University
4. **Dr. Abhishek Bhattacharjee**, Ph.D., Princeton University, B.Eng, McGill University
5. **Dr. Andres Moreno,** Professor Catedráco in Organic Chemistry at Universidad de Caslla-La Mancha, Spain
6. **Dr. Monika Ambrus,** Commissioning Editor, Amsterdam University Press, The Netherlands
7. **Mr. Rohit Passan,** Strategy Business Partner, International Marketing, Accenture Strategy, Dublin, Ireland
8. **Dr. Prabhanjan Ananth,** Assistant Professor Glen and Susanne Culler Endowed Chair in CS.
9. **Dr. Ioan Cosmin Mihai,** Cybercrime Training Officer, CEPOL, Professor, Academia de Politie, Alexandru Ioan Cuza.
10. **Maricel Estavillo,** Vice President, Sustainability and Takaful Lead, Pru Life UK.

National Advisors

1. **Prof. (Dr.) Preeti Saxena,** Professor & Vice Chancellor, Himachal Pradesh National Law University, India
2. **Prof. (Dr.) Shiv Kumar Dogra,** Professor, Himachal Pradesh University, Shimla
3. **Prof. (Dr.) Chanchal Kumar Singh,** Himachal Pradesh National Law University, Shimla
4. **Prof. (Dr.) Jimmy Singla,** Professor, Lovely Professional University, India
5. **Prof. (Dr.) Vipul Yadav,** Professor, Central University of Haryana, Mahendergarh, India
6. **Prof. (Dr.) Mandeep Singh,** Professor, Sharda University, India
7. **Dr. Gagandeep Kaur,** Associate Professor, University of Petroleum and Energy Studies, Dehradun, India
8. **Dr. Pooja Jaiswal,** National Law University, Sonepat, India
9. **Dr. Inderjit Singh,** Panjab Agricultural University, India
10. **Dr. Sanyogita,** Assistant Professor, Himachal Pradesh University, Shimla

Who Can Participate

- Academicians & Research Scholars
- Judges, Lawyers & Legal Professionals
- AI Experts, Technologists and Professionals
- Students



Deliverables & Outputs

- Conference Proceedings (ISBN)
- Certificates for all participants and presenters
- Special Panel Session on AI Ethics and Human Rights
- Best Paper Awards
- Recommendations Report for policymakers and institutions

Organizing Committee

Patron in Chief

- **S. Rashpal Singh Dhaliwal**, Father of Education, Hon'ble Founder Chancellor, CGC University, Mohali

Co-Patron in Chief

- **Mr. Arsh Dhaliwal**, Worthy Managing Director, CGC University, Mohali

Patrons

- **Dr. Sushil Prashar** - Executive Vice President, CGC University, Mohali
- **Dr. Vinay Kumar Goyal**, Vice Chancellor, CGC University, Mohali
- **Prof. (Dr.) Anupamdeep Sharma,** Pro-Vice Chancellor (Examinations & Registrar), CGC University, Mohali
- **Prof. (Dr.) Anish Gupta,** Pro-Vice Chancellor (Academic and International Relations), CGC University, Mohali
- **Dr. Pradeep Reddy CH,** Pro-Vice Chancellor (IQAC), CGC University, Mohali
- **Prof. (Dr.) Sandeep Singh,** Dean Research, CGC University, Mohali

Conference Chair

Prof. (Dr.) J P Yadav,
Dean, School of Legal Studies, CGC University, Mohali

Conference Convenor

- **Dr. Divya S Khurana,** Associate Professor, School of Legal Studies, CGC University, Mohali
- **Mr. Bineet Singh,** Assistant Professor, School of Legal Studies, CGC University, Mohali

Organising Team

- **Dr. Gurdeep Kaur Pandher,** HoD, School of Legal Studies, CGC University, Mohali
- **Dr. Jaskaran Singh,** Deputy HoD, School of Legal Studies, CGC University, Mohali
- **Dr. Parishkar Shreshth**
- **Dr. Tanveer Kaur**
- **Dr. Pinky Bangarh**
- **Dr. Jiwanjot Kaur**
- **Dr. Namah Dutta**
- **Dr. Pradip Kumar Kashyap**
- **Dr. Babita**
- **Dr. Swati Sahotra**
- **Mohd Zishan Khan**
- **Lovepreet Kaur**

