

# International Conference on Cyber Incident Response, Coordination, Containment & Control (Cyber Incident 2020)

June 15-17, 2020

Dublin City University, Dublin, Ireland

<https://www.c-mric.com/ci2020>

**Theme: Tactics, Techniques and Procedures (TTPs) for  
Cyber Incident Response in a fast-paced Digital World.**

**Deadline for submission is 26<sup>th</sup> January 2020**

We are pleased to invite you to submit a paper to the **IEEE Technically Co-Sponsored (TCS) International Conference on Cyber Incident Response, Coordination, Containment & Control (Cyber Incident 2020)** an international refereed conference dedicated to the advancement of Cyber Incident Response, Coordination, Containment and Control (CIRC3).



The aim of the **Cyber Incident 2020** is to encourage participation and promotion of collaborative scientific, industrial and academic inter-workings among individual researchers, practitioners, members of existing associations, academia, standardisation bodies, and including government departments and agencies. The purpose is to build bridges between academia and industry, and to encourage interplay of different cultures.

**Cyber Incident 2020** invites researchers and industry practitioners to submit papers that encompass principles, analysis, design, methods and applications. All submitted papers are

independently double peer-reviewed. The conference proceedings will be submitted for consideration for listing in [the IEEE Xplore Digital Library](https://ieeexplore.ieee.org/xpl/conhome/8871248/proceeding) and other reputable bibliographic indexes. Previous conference papers are listed in IEEE Xplore <https://ieeexplore.ieee.org/xpl/conhome/8871248/proceeding>

## Details

Cyber Incident 2020 is co-located with other conferences as part of [Cyber Science 2020](#).

- **Posters** will be presented during the conference.
- **Industry track** is available for discussing and publishing pilot and proof of concepts.
- **Work in Progress track** is available for preliminary work.
- **Research Ideas track** is available for ideas in early stages assessment.
- **PhD Seminar track** is available for discussing and publishing early PhD thesis research.

## Submission Deadline

Deadline for all paper submissions, that is, both **full papers** and **extended abstracts** for Poster, WIP, PoC, Research Idea and PhD Seminar presentations is **26<sup>th</sup> January 2020**.

All Industry track, Work in Progress track, Research Ideas track and PhD Seminar track will be published in the conference proceedings. Interested participants, please submit your proposal using the online submission system hosted by [EasyChair Conference Portal](#).

## Submission Instructions

Both long (8 pages max., roughly 8,000 words) and short (4 pages max., roughly 4,000 words) paper submissions should be written in English and be **submitted electronically** via the [EasyChair conference portal](#). Submission file formats are PDF and Microsoft Word using the C-MRiC Word/PDF templates that can be found at the corresponding **C-MRiC website**.

Authors wishing to present a Poster, Industry Proof of Concept (PoC), Work in Progress (WIP), Research Ideas, and PhD Seminar may submit a 2-page extended abstract using the **online submission systems** hosted by [EasyChair Conference Portal](#), which, if accepted, will appear in the conference proceedings.

## Topics of Interest

Original papers are invited on recent advances in Cyber incident response, coordination, containment and control, and including risk management, risk-based decision, prioritisation, conditionality and proportionality. The topics in **Cyber Incident 2020** include but not limited to:

### Cyber Incident Response

- Cyber Incident Analysis
- Cyber Incident Triage
- Cyber Incident Correlation and Assessment
- Coordination
- Containment
- Root Cause Analysis (RCA)
- Timeliness
- Handling and Handling Process
- Reporting
- Escalation
- Cyber Incident Management

### Decision Control

- Decision Control
- Emergence Services
- Preparedness
- Readiness
- Analysis
- Risk Management
- Conditionality
- Proportionality
- Prioritisation
- Decision Making
- Risk-Based Decision
- Human in the Loop

### Preparedness & Readiness

- Training
- Processes and Procedures
- Policy and Standards
- Emergency Services Processes
- Chain of Custody

### Investigation Techniques

- Rule-Based Systems
- Expert Systems
- Adaptive Learning Systems
- Predictive Systems

- Forensic Readiness and Investigations
- Cyber Incident Notification and Announcements
- Cyber Incident Management Tool
- Standardisation
- Framework and Methodology
- Expertise, Skills, Knowledge and Resource
- Maturity Model and Goal Setting
- Certification and Accreditation
- Memberships to Cyber Incident Responders, Incident Response Organisation
- The use of Biometrics to aid Forensic Investigations
- Speak, audio and voice Recognition for forensics
- Correlation and cross-correlation for Incident Analysis
- Cross-Domain Analysis
- Cross-Channel Incident Analysis
- Multi-domain Analysis

### Digital Forensics

- Digital Forensics Principles, Rules and Standards
- Digital Forensic Investigations
- Speak, audio and voice Recognition for forensics
- Chain of Custody
- Mobile Forensics
- Live data and live stream forensics
- Live Imagery Forensics
- Memory Forensics
- Browser and Cache Memory Forensics

### Cyber Incident Exercise

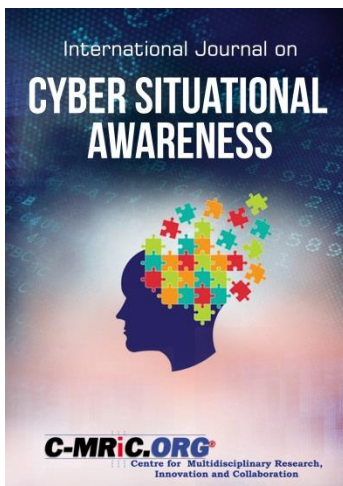
- Cyber Incident Playbook
- Cyber Incident Management
- War-room exercises
- Attack Scenarios and Exercise
- Cyber Incident Response
- Command Controls – Bronze, Silver & Gold Command
- Cause of Action (CoA)
- Root Cause Analysis
- Cyber Defence Exercises
- Threat Intelligence Modelling
- Attack Modelling

All the accepted papers will appear in the proceedings!

### Important Dates

Extended Abstracts submissions for Posters / Demo, Work in Progress (WIP), Industry Proof of Concepts (PoC), Academic Research Ideas & PhD Seminar presentation	January 26, 2020
Full Paper Submissions (Long and Short papers)	January 26, 2020
Notifications of Special Tracks, Extended Abstracts & Full Papers Acceptance / Rejection	March 24, 2020
<b>Conference Dates</b>	<b>June 15-17, 2020</b>

### Best Papers



The best paper of each section will be selected and their author(s) will receive a corresponding Award Certificate. Authors of the Best 20%-25% papers presented at the conference will be invited to adapt their papers for their publication in one of the [special issues peer reviewed journals](#).

## Sponsors



## Previous Conferences

1. [Cyber Security 2019](#): International Conference on Cyber Security and Protection of Digital Services, held at the University of Oxford, UK on 3-4 June 2019
2. [Cyber Security 2018](#): International Conference on Cyber Security and Protection of Digital Services, held at the Grand Central Hotel, Glasgow, Scotland, UK on 11-12 June 2018
3. [Cyber Security 2017](#): International Conference on Cyber Security and Protection of Digital Services, held at the Ampthill and Holborn Suites, De Vere Grand Connaught Rooms, London, UK on 19-20 June 2017
4. [Cyber Incident 2016](#): International Conference on Cyber Incident Response, Coordination, Containment & Control, held at the Stranton Suite, Holiday Inn Mayfair, London, UK on 13-14 June 2016
5. [Cyber Incident 2015](#): International Conference on Cyber Incident Response, Coordination, Containment & Control, held at the Hotel Russell, Central London, UK on 7-8 June 2015

Regards  
Cyber Incident 2020 Conference Co-Chair