1st Cyber Research Conference Ireland (CRCI 2022)
GMIT Campus, Galway, April 25, 2022

http://www.cyber-rci.com/2022

Call for Papers

Conference co-chairs
Séamus Dowling, GMIT
Michael Lang, NUI Galway

Programme chair
Ruth Lennon, Letterkenny IT

Programme committee
Enda Barrett, NUI Galway
Jim Clarke, WIT
Eoin Cullina, GMIT
Kevin Curran, Ulster Univ.
Seán Duignan, GMIT
Catherine Friend, IADT
Rónán Kennedy, NUI Galway
David Kreps, NUI Galway
Fergal McCaffery, Dundalk IT
Seán McSweeney, MTU
Bashar Nuseibeh, UL
Diarmuid Ó Briain, IT Carlow
Douglas Leith, TCD
Oluwafemi Olukoya, QUB
Liliana Pasquale, UCD
Maria Grazia Porcedda, TCD
Andrew Power, IADT
Utz Roedig, UCC
Veronica Rogers, IT Sligo
Michael Schukat, NUI Galway
Barry Sheehan, UL
Irina Tal, DCU
Christina Thorpe, TU Dublin
Simon Woodworth, UCC

Local chair
Caroline Cawley (CEO, itag)

Sponsorship chair
Eamon Larkin (IBM)

Contact us
chair@cyber-rci.com

The 1st Cyber Research Conference Ireland (CRCI) will act as a meeting point where researchers from academia, industry, research groups/centres, and public authorities working in the multidisciplinary field of cybersecurity, cybercrime and related areas can exchange knowledge and experience with the shared goal of strengthening research and building networks across the island of Ireland. Authors should be based within the island of Ireland, but international contributions from authors who have research partners based in Ireland are also welcome.

Prospective authors are encouraged to submit original contributions from a broad range of relevant topics, which include but are not limited to the following:

Cybersecurity – General
» Information security
» Cyber technologies
» Cryptography
» Blockchain
» Machine learning and AI in cybersecurity
» Cybersecurity trends
» Data mining and analytics for cybersecurity
» Cloud computing and security
» Malware analysis and detection
» Case studies in cybersecurity
» Identity management and access control
» Emerging trends in cybersecurity

Building and Managing Cyber Resilience
» Cyber resilience
» Cyber threat intelligence
» Threat hunting
» Digital forensics
» Incident detection and response
» Cybersecurity standards and guidelines
» Cyber operations and SOC
» DevSecOps
» Risk management
» Trusted systems
» Data provenance
» Management and governance
» Response and recovery
» Fault tolerance
» Gamification in cybersecurity

Human and Legal Aspects
» Management and HR
» Security and privacy requirements analysis
» Security administration
» Information security culture
» Security and privacy policy compliance
» Risk and threat perception and assessment
» Security and privacy attitudes and behaviour
» Insider threats
» Motives for misuse
» Electronic espionage and surveillance
» Data protection and law
» Security and privacy protection metrics
» Social engineering and other human-related risks
» Psychology of cybersecurity
» Organisational politics and cybersecurity
» CISO challenges & governance
» Cyber forensics & cybercrime
» Cyber welfare and security
» Human centric cybersecurity
» Usable security
» Biometrics and cybersecurity
» Societal impacts and ethics
» Interplay of technical and socio-technical issues in cybersecurity
» Cybersecurity in the systems development process

Cybersecurity Education and Research
» Effectiveness of SETA programmes
» Public awareness and understanding
» Internet safety and hygiene
» Cybersecurity and diversity
» Innovative approaches to cybersecurity education
» Cybersecurity curriculum design
» Cybersecurity competitions
» Emerging needs for cybersecurity curriculum
» Teaching cases
» Methodological issues and challenges in cybersecurity & cybercrime research
» Ethical issues in research

Infrastructure
» Cyber infrastructure
» Cyber systems
» Industrial control system (ICS) security
» IoT, IioT and CPS security
» Smart cities
» eHealth systems
» Communication and security networks
» Network security
» Supply chain cybersecurity research
» Systems engineering for cybersecurity
» Security-as-a-Service

The CRCI 2022 conference will accept high-quality full-length research papers, as well as shorter work-in-progress and industrial papers promoting contributions on technology development, innovations and implementations. Submitted manuscripts should not exceed 8 pages (full paper) or 4 pages (work-in-progress) in IEEE format. All papers will be subject to double blind review. Detailed information about paper submission and guidelines to authors is available on the conference website at **https://www.cyber-rci.com/2022**

NUI Galway OÉ Gaillimh

itag — Innovation Technology AtlanTec Gateway

GMIT — INSTITIÚID TEICNEOLAÍOCHTA NA GAILLIMHE-MAIGHE EO · GALWAY-MAYO INSTITUTE OF TECHNOLOGY