



2020
Annual **INCOSE**
international workshop
Torrance, CA, USA
January 25 - 28, 2020

Critical Infrastructure Protection and Recovery

www.incose.org/IW2020

Critical Infrastructure Protection and Recovery CHAIR

Daniel Eisenberg (daniel.eisenberg@nps.edu)



2020
Annual **INCOSE**
international workshop
Torrance, CA, USA
January 25 - 28, 2020

MEMBERS
212

CO-CHAIRS

John Juhasz (telepath.juhasz@yahoo.com)

Anthony Adebonojo (anthony.adebonojo.ctr@mda.mil)

INCOSE CONNECT ADDRESS



<https://connect.incose.org/WorkingGroups/CriticalInfrastructure/SitePages/Home.aspx>

INCOSE WEB PAGE



<https://www.incose.org/incose-member-resources/working-groups/Application/critical-infrastructure>

Charter Summary



2020
Annual **INCOSE**
international workshop
Torrance, CA, USA
January 25 - 28, 2020

WG PURPOSE/MISSION

The purpose of the Critical Infrastructure Protection and Recovery (CIPR) Working Group (WG) is to provide a forum for the application, development, and dissemination of systems engineering principles, practices and solutions relating to critical infrastructure resilience against man-made and natural events causing physical infrastructure system disruption. The CIPR WG acts as a link among infrastructure-related INCOSE WGs, the US Federal government, academia, and international partners.

WG GOAL(S)

This WG will create opportunities to exchange systems engineering approaches to identify and manage vulnerabilities of CI systems, both within INCOSE and with external organizations sharing similar interests and goals.

WG SCOPE

The CIPR WG scope includes systems comprising 16 critical infrastructure sectors defined by the US Department of Homeland Security and vulnerability analysis methods ranging from reliability to game theory, optimization, and cognitive systems engineering.

IW Outcomes



2020
Annual **INCOSE**
international workshop
Torrance, CA, USA
January 25 - 28, 2020

IW Outcomes

The CIPR WG completed the following tasks at the INCOSE IW 2020:

- Established new WG Chair and introduced chair to INCOSE leadership
- Determined updates to WG charter
- Reviewed CIPR materials for special issue in INCOSE Insight (planned June 2020)
- Reviewed current modeling and outreach efforts
- Established shared goals with Telecommunications and Transportation WGs
- Supported the new Smart Cities Initiative
- Established next steps in preparation for the INCOSE International Symposium 2021

Planned Work past IW



2020
Annual **INCOSE**
international workshop
Torrance, CA, USA
January 25 - 28, 2020

PLANNED ACTIVITIES

- Weekly WG coordination calls
- Monthly CIPR International seminar presentations
- Outreach CIPR-related INCOSE WGs
- Outreach to new international partners

PLANNED WORK PRODUCTS

- INCOSE Insight special issue (planned June 2020)
- CIPR Primer (in conjunction with Telecommunications Primer)
- INCOSE IS 2021 special session submission
- Microgrid reference model
- Resilient hospitals reference model