Part of living in today’s technologically-advanced world is taking advantage of the interconnectedness that these technologies provide. Simultaneously, this new era of advanced telecommunication technologies comes with responsibility to protect each of our systems from cyber-attacks. The patterns of cyber-attacks observed in recent years show that all entities utilizing telecommunications technologies are becoming increasingly vulnerable. These threats are rapidly evolving and dangerous to our societies. Individuals, organizations, and infrastructure systems – are being targeted by sophisticated cyber actors.

The Global Resilience Institute (GRI) is at the forefront of developing the concept of Cyber Resilience and applying the relevant principles in the real world. Our mission includes developing and integrating leading innovations and best practices to create practical and affordable solutions for government and industries. As part of this effort, GRI is working to design a separate resilient network for critical infrastructure operations to guard the power grid from electromagnetic pulse (EMP) threats, as well as establish a backup network for incident response planning and develop a Major Cyber Incident Review Board modeled on the National Transportation System.

Given today’s dynamic and volatile global atmosphere, resilience has become a foundational element in our society’s growth. GRI’s mission to reinforce resilience in cybersecurity is being realized through cooperation with various industry partners, as well as the Department of Defense’s Army Research laboratory. Furthermore, our university-wide interdisciplinary institute at Northeastern University enables quality research needed to build a resilient cybersecurity environment. With the knowledge and capabilities to carry out our agenda of resilience, the Global Resilience Institute welcomes opportunities to share ideas with like-minded entities to contribute to building a more resilience world.

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About GRI
Launched in 2017 with the approval of Northeastern University’s Board of Directors, the Global Resilience Institute (GRI) is the world’s first university-wide institute to respond to the resilience imperative. Today, GRI undertakes multi-disciplinary resilience research and education efforts that draws on the latest findings from network science, health sciences, coastal and urban sustainability, engineering, cybersecurity and privacy, social and behavioral sciences, public policy, urban affairs, business, law, game design, architecture, and geospatial analysis.