



**Cyber Warning Intelligence:  
Enhancing Predictive Capabilities in Cyberspace.  
A Comparative Study of the American and Italian Cases**

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## **Abstract**

The present research project addresses the question of how cybersecurity strategies currently adopted by public and private major organisations might be revised in light of a constantly evolving and increasingly sophisticated cyber threat ecosystem that demands a radical paradigm shift not towards the enhancement of early detection of and reaction to cyber incidents but towards the acquisition of capabilities to forecast them. More specifically, the author revives the Cold War-era concept and practices of indications and warning (I&W) intelligence and attempts to contribute to that line of academic work that has more recently applied them to the cybersecurity context. It is argued that integrating I&W intelligence methodologies within one's extant cybersecurity structures is essential to limit one's exposure to cyber risks and threats. Nevertheless, a high-level paradigm synthesising the major strengths and addressing some of the shortcomings of previous predictive analytical frameworks is proposed to lead and enhance the effectiveness and efficiency of organisations' efforts to anticipate breaches into their information technology perimeter. The research focuses on the Italian and American case studies.