

Herson Esquivel Vargas, Ph.D.

h.esquivelvargas@itcr.ac.cr | 8813 1925

Información Laboral

Cédula: 304100380

Tipo de nombramiento: Contratado por tiempo definido

Fecha de contratación: 01/02/2012

Sede: Cartago

Escuela: Ingeniería en Computación

Correo: h.esquivelvargas@itcr.ac.cr

ORCID: 0009-0009-9828-6775

Educación

Instituto Tecnológico de Costa Rica , Bachillerato in Ingeniería en Computación – Costa Rica	2008
Instituto Tecnológico de Costa Rica , Maestría in Ciencias de la Computación con énfasis en Telemática – Costa Rica	2012
Instituto Kerckhoffs - Universidades de Twente, Eindhoven y Nijmegen , Maestría in Ciencias de la Computación con énfasis en Ciberseguridad – Holanda	2016
Universidad de Twente , Doctorado in Ciberseguridad – Holanda	2022

Carrera Profesional

Profesor Instructor	01/02/2012
----------------------------	------------

Publicaciones

Identifying Near-Optimal Single-Shot Attacks on ICSs with Limited Process Knowledge	2022
Herson Esquivel-Vargas, John Henry Castellanos, Marco Caselli, Nils Ole Tippenhauer, Andreas Peter 10.1007/978-3-031-09234-3_9 (Lecture Notes in Computer Science)	
BACGraph: Automatic Extraction of Object Relationships in the BACnet Protocol	6/2021
Herson Esquivel-Vargas, Marco Caselli, Andreas Peter 10.1109/DSN-S52858.2021.00029 (2021 51st Annual IEEE/IFIP International Conference on Dependable Systems and Networks - Supplemental Volume (DSN-S))	
Putting Attacks in Context: A Building Automation Testbed for Impact Assessment from the Victim's Perspective	2020
Herson Esquivel-Vargas, Marco Caselli, Geert Jan Laanstra, Andreas Peter 10.1007/978-3-030-52683-2_3 (Lecture Notes in Computer Science)	
BACRank: Ranking Building Automation and Control System Components by Business Continuity Impact	2019
Herson Esquivel-Vargas, Marco Caselli, Erik Tews, Doina Bucur, Andreas Peter 10.1007/978-3-030-26601-1_13 (Lecture Notes in Computer Science)	
Automatic Deployment of Specification-based Intrusion Detection in the BACnet Protocol	3/11/2017
Herson Esquivel-Vargas, Marco Caselli, Andreas Peter	

10.1145/3140241.3140244 (Proceedings of the 2017 Workshop on Cyber-Physical Systems Security and PrivaCy)