


## Características generales

## Características del Equipo de Investigación

## Características de la Investigación

IDENTIFICACIÓN DEL EQUIPO INVESTIGADOR			
NOMBRE DEL EQUIPO O GRUPO DE INVESTIGACIÓN	NICS Lab. Networks, Information and Computer Security Lab		
UNIDAD/DEPARTAMENTO DE PERTENENCIA	Departamento de Lenguajes y Ciencias de la Computación		
CENTRO/INSTITUTO/UNIVERSIDAD/ORGANISMO DE PERTENENCIA	Universidad de Málaga		
			
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EDIFICIO	Edificio de Investigación Ada Byron	CENTRO	Ampliación Campus Teatinos
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PROVINCIA	Málaga	CÓDIGO POSTAL	29071



**INVESTIGADOR PRINCIPAL**

**NOMBRE**

Javier López Muñoz

**TITULACIÓN**

Doctor en Ingeniería Informática

**TRAYECTORIA PROFESIONAL**

- Sexenios de investigación: 4 (último periodo 2013-2018) / Sexenio de transferencia: 1
- Citas: Google Scholar: 8.878 (total) / 5.872 (desde 2015) / h-index: 39. WoS: 9.821 (total) / 6.940 (desde 2015) / h-index: 49. SCOPUS: 4.350 (total) / 3.018 (desde 2015) / h-index: 27
- Publicaciones: Indexadas JCR: 92 / 34 (Q1). Congresos internacionales: 192 / 51 (LNCS)
- Proyectos de Investigación: Investigador Principal en 37 proyectos internacionales y nacionales, con una financiación total de 7.085.659 €. De entre los anteriores, IP en 10 proyectos europeos (FP6, FP7 y H2020), con una financiación total de 3.178.760 €
- Dirección de Tesis Doctorales: 9 tesis en últimos 10 años (de 16 tesis en total)
- Organización de Congresos Internacionales: 34 como Program (co)Chair, y 15 como General (co) Chair
- Participación en tribunales de tesis doctorales en el extranjero: 24 presenciales y 25 no-presenciales.

**WEB Y REDES SOCIALES**

[www.nics.uma.es](http://www.nics.uma.es)



**MIEMBROS DEL EQUIPO**

Agudo Ruiz, Isaac

Ferraris, Davide

Morales Escalera, Daniel

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González Muriel, Sergio

Muñoz Gallego, Antonio

Ríos del Pozo, Rubén

Rubio Cortés, Juan Enrique

Fernández Gago, Carmen

Melgar García, Alejandro

Ortega Daza, Juan José

Rodríguez Sánchez, Jesús

Ruiz Ruiz, Manuel

LÍNEAS Y ÁREAS DE INVESTIGACIÓN	
ÁREAS DE INVESTIGACIÓN	PRINCIPALES LÍNEAS DE INVESTIGACIÓN
ÁREAS DE INTERÉS	<ul style="list-style-type: none"> <li>Cloud Computing</li> <li>Criptografía</li> <li>Seguridad de redes</li> <li>Seguridad en Sistemas Críticos (Aeronáutica, Ferrocarril, Automoción...)</li> <li>Smart cards</li> <li>Internet de las Cosas</li> <li>Fog Computing</li> </ul>
PRIVACIDAD	<ul style="list-style-type: none"> <li>Redes de comunicación privada</li> <li>Privacidad en las consultas</li> <li>Privacidad en IoT</li> <li>Protocolos criptográficos de preservación de la privacidad</li> <li>Tecnologías de potenciadores de la privacidad (PET)</li> </ul>
GESTIÓN DE LA IDENTIDAD	<ul style="list-style-type: none"> <li>Autenticación criptográfica</li> <li>Computación segura multiparte</li> <li>Control de Acceso y Autenticación</li> <li>Protocolos de autenticación</li> <li>Autenticación en transacciones a nivel global</li> </ul>
SISTEMAS FIABLES Y ACTUALIZABLES	<ul style="list-style-type: none"> <li>Plataformas de ejecución seguras</li> <li>Lenguajes y Frameworks de desarrollo seguros</li> <li>Seguridad / Privacidad mediante el diseño</li> <li>Desarrollo de entornos integrados de seguridad</li> <li>Computación Segura</li> <li>Diseño de requisitos de seguridad</li> <li>Internet of Things</li> </ul>
OTRAS	<ul style="list-style-type: none"> <li>Seguridad en Blockchain</li> <li>Seguridad en Sistemas de Transporte Inteligentes</li> <li>Seguridad en Gemelos Digitales (Digital Twins)</li> <li>Seguridad en Industria 4.0</li> <li>Seguridad en Sistemas Ciberfísicos</li> <li>Conciencia de la situación</li> </ul>
INFRAESTRUCTURAS CRÍTICAS	<ul style="list-style-type: none"> <li>Detección de amenazas</li> <li>Métodos y herramientas de Protección</li> <li>Monitorizado y seguridad de redes</li> <li>Vigilancia del entorno</li> <li>Arquitectura de Protección</li> <li>Desarrollo de herramientas de protección</li> </ul>
ATAQUES Y DEFENSA ANTE AMENAZAS	<ul style="list-style-type: none"> <li>Detección de anomalías</li> <li>Detección y eliminación de malware</li> <li>Detección y monitorizado de ataques</li> </ul>



## PUBLICACIONES RELACIONADAS DESTACADAS

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- D. Ferraris, D. Bastos, C. Fernandez-Gago, and F. El-Moussa, "A Trust Model for Popular Smart Home Devices", *International Journal of Information Security*, Springer, In Press
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## PUBLICACIONES AÑO 2019

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- M. Kolar, C. Fernandez-Gago, and J. Lopez, "A Model Specification for the Design of Trust Negotiations", *Computers & Security*, vol. 84, issue July 2019, Elsevier, pp. 288-300, 04/2019.
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- J. E. Rubio, M. Manulis, C. Alcaraz, and J. Lopez, "Enhancing Security and Dependability of Industrial Networks with Opinion Dynamics", *European Symposium on Research in Computer Security (ESORICS2019)*, vol. 11736, pp. 263-280, 09/2019
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- PUBLICACIONES AÑO 2017**
- A. Nieto, N. Nomikos, J. Lopez, and C. Skianis, "Dynamic Knowledge-based Analysis in non-Secure 5G Green Environments using Contextual Data", *IEEE Systems Journal*, vol. 11, issue 4, no. 99, IEEE, pp. 2479-2489, 12/2017
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- R. Rios, R. Roman, J. A. Onieva, and J. Lopez, "From Smog to Fog: A Security Perspective", *2nd IEEE International Conference on Fog and Edge Mobile Computing (FMEC 2017)*, IEEE Computer Society, pp. 56-61, 06/2017
- A. Nieto, R. Rios, and J. Lopez, "A Methodology for Privacy-Aware IoT-Forensics", *16th IEEE International Conference On Trust, Security And Privacy In Computing And Communications (TrustCom 2017)*, IEEE, pp. 626-633, 09/2017.
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- A. Nieto, R. Rios, and J. Lopez, "ProFIT: modelo forense-IoT con integración de requisitos de privacidad", *XIII Jornadas de Ingeniería Telemática (JITEL 2017)*, vol. Libro de actas, Editorial Universitat Politècnica de València, pp. 302-309, 01/2018, 2017.
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- R. Rios, and J. Lopez, "Evolución y nuevos desafíos de privacidad en la Internet de las Cosas", *XIV Reunión Española sobre Criptología y Seguridad de la Información*, pp. 209-213, 10/2016.
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PROYECTOS RELEVANTES

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