

# Curriculum Vitae Abreviado (sólo transferencia)

Vicente González Ruiz

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## Datos personales

Nombre y apellidos: Vicente González Ruiz  
DNI/NIE/pasaporte: 34837500K  
Edad: 49  
Researcher ID: G-9269-2015  
Código Orcid: 0000-0001-6495-4856

## Situación profesional actual

Organismo: Universidad de Almería  
Dpto./Centro: Departamento de Informática  
Dirección: Sacramento, s/n, 04120 La Cañada de San Urbano, Almería  
Teléfono: 950015711  
Correo electrónico: vrui@ual.es  
Categoría profesional: Profesor Titular de Universidad  
Fecha inicio: 4/5/2003  
Espec. cód. UNESCO: 3304 1203 2203  
Palabras clave: Codificación y transmisión de imágenes y vídeo

## Indicadores generales de la transferencia del conocimiento

Patentes:	0
Modelos de utilidad:	0
Organizaciones:	1 (ver Organizaciones de software libre)
Acuerdos de explotación:	0
Contratos con empresas:	5 (ver Contratos)
Convenios I+D+i:	1 (ver Convenios)
Creación de empresas de base tecnología:	2 (ver Creación de empresas)
Proyectos colaborativos:	8 (ver Proyectos)
Workshops (con empresas):	1 (ver Workshops)

## 1. Organizaciones

[1] [P2PSP.org](#).

*Purpose:* Nonprofit organization that develops, among other things, the P2PSP protocol. P2PSP is an application layer protocol designed for the real-time streaming of multimedia content over the Internet..

*Founders:* Cristóbal Medina López, Juan Pablo García Ortiz, Juan Alvaro Muñoz Naranjo, Leocadio González Casado y Vicente González Ruiz.

*Heads:* Cristóbal Medina López y Vicente González Ruiz.  
*From* 2015 *until* -.

## 2. Contratos

[1] **Implementation of a Highly Scalable JPIP Server for the ESA/NASA Jhelioviewer Project.**

*Founding company:* European Space Agency.

*Main researcher:* Juan Pablo García Ortiz.

*Budget:* 9.000 €.

*From* 2010/09/01 *until* 2010/12/31.

[2] **FSVC en dispositivos móviles.**

*Founding company:* Asociación de Investigación y Cooperación Industrial de Andalucía (AICIA).

*Main researcher:* Vicente González Ruiz.

*Budget:* 23.095,6 €.

*From* 2007/11/06 *until* 2008/11/05.

[3] **Proyecto Codec FSVC (Fully Scalable Video Codec).**

*Founding company:* IRC Crawler S.L..

*Main researcher:* Vicente González Ruiz.

*Budget:* 38.779,48 €.

*From* 2006/01/04 *until* 2008/01/04.

[4] **eSpectia Peer to Peer.**

*Founding company:* IRC Crawler S.L..

*Main researcher:* Leocadio González Casado, Jose Antonio Martínez García y Vicente González Ruiz.

*Budget:* 15.248,71 €.

*From* 2006/06/01 *until* 2007/12/31.

[5] **Edición-Publicación Web de Imágenes en formato DICOM.**

*Founding company:* Tecnologías Digitales Audiovisuales, S.L. (TEDIAL).

*Main researcher:* Inmaculada García Fernández.

*Budget:* 13.920 €.

*From* 2002/02/18 *until* 2004/02/19.

## 3. Convenios

[1] **Unidad asociada I+D al CSIC. Asociación del grupo de investigación “Supercomputación: Algoritmos” al CENTRO Nacional de Biotecnología (CSIC). Convenio.**

*Founding company:* CSIC.

*Main researcher:* José Jesús Fernández Rodríguez.

*From* 2005/12/01 *until* 2011/12/01.

## 4. Creación de Empresas

[1] **Luxunda SL.**

*CIF:* B04743761.

*Address:* C/ Santiago 1 bajo A, 04006, Almería, España.

*CEO:* Juan Pablo García Ortiz.

*Foundation stock:* 3,006,00 €.

*From* 2012/03/23 *until* -.

[2] **IPTV Solutions SL.**

*CIF:* B04621157.

*Address:* C/ Magistral Dominguez 11, 04003, Almería, España.

*CEO:* José Francisco Bermúdez Pérez.

*Foundation stock:* 213,000,00 €.

*From* 2007/12/21 *until* 2011/09/26.

## 5. Proyectos

[1] **Super-resolution Imaging through High-frequency Subbands Prediction in the Wavelet Domain.**

*Founding entity:* European Space Agency.

*Program:* [ESA Summer of Code in Space \(SoCiS\)](#) 2019.

*Main researchers:* Shobhit Patel and García-Sobrino, J.J. and González-Ruiz, V..

*Budget:* Honorable participation.

*From* 2019/03/04 *until* 2019/10/31.

*Number of researchers:* 3.

*Evidences:* [Implementation at GitHub](#).

[2] **Improving the Jhelioviewer client using conditional replenishment.**

*Founding entity:* European Space Agency.

*Program:* [ESA Summer of Code in Space \(SoCiS\)](#) 2019.

*Main researchers:* Dhiraj Sharma and Sánchez-Hernández, J.J. and González-Ruiz, V..

*Budget:* Honorable participation.

*From* 2019/03/04 *until* 2019/10/31.

*Number of researchers:* 3.

*Evidences:* [Implementation at GitHub](#).

[3] **Development of a tracker of splitters (unfinished).**

*Founding entity:* Google Inc..

*Program:* [Google Summer of Code \(GSoC\)](#) 2018.

*Main researchers:* Chakravorty, S. and García-Ortiz, J.P. and Qiao, Y. and González-Ruiz, V..

*Budget:* \$2.500.

*From* 2018/04/23 *until* 2018/08/22.

*Evidences:* [Implementation at GitHub](#), [Certificate of Appreciation \(organization administrator\)](#), [La Voz de Almería](#).

[4] **WebRTC implementation of a NAT traversal procedure based on port prediction (unfinished).**

*Founding entity:* Google Inc..

*Program:* [Google Summer of Code \(GSoC\)](#) 2018.

*Main researchers:* Sahni, P. and González-Ruiz, V. and Casado, L.G..

*Budget:* \$2.500.

*From* 2018/04/23 *until* 2018/08/22.

*Evidences:* [Certificate of Appreciation \(organization administrator\)](#).

- [5] **Implementation of a REST WebService for the P2PSP media sources.**  
*Founding entity:* Google Inc..  
*Program:* Google Summer of Code (GSoC) 2017.  
*Main researchers:* Gaunial, A. and García-Ortiz, J.P. and González-Ruiz, V..  
*Budget:* \$6.000.  
*From* 2017/06/01 *until* 2017/08/31.  
*Evidences:* Implementation at GitHub, Project details at the Google Summer of Code Archive (PDF), Certificate of Appreciation (organization administrator).
- [6] **Implementation of the End-point Masquerading Set (EMS) of rules of the Peer-to-Peer Straightforward Protocol (P2PSP).**  
*Founding entity:* Google Inc..  
*Program:* Google Summer of Code (GSoC) 2016.  
*Main researchers:* Shi, Kevin and Mertens, Max and González-Ruiz, V..  
*Budget:* \$6.000.  
*From* 2016/06/23 *until* 2016/08/31.  
*Evidences:* Implementation at GitHub, Project details at the Google Summer of Code Archive (PDF), Certificate of Appreciation (mentor).
- [7] **GoPro Broadcasting Using P2PSP On Android.**  
*Founding entity:* Google Inc..  
*Program:* Google Summer of Code (GSoC) 2016.  
*Main researchers:* Ravi, Sravan and García Salmerón, José Manuel and González-Ruiz, V..  
*Budget:* \$6.000.  
*From* 2016/06/23 *until* 2016/08/31.  
*Evidences:* Implementation at GitHub, Project details at the Google Summer of Code Archive (PDF), Certificate of Appreciation (mentor).
- [8] **NAT traversal via hole punching Set of Rules for P2PSP.**  
*Founding entity:* Google Inc..  
*Program:* Google Summer of Code (GSoC) 2015.  
*Main researchers:* Mertens, M. and García-Ortiz, J.P. and González-Ruiz, V..  
*Budget:* \$6.000.  
*From* 2015/05/25 *until* 2015/08/31.  
*Evidences:* Implementation at GitHub, Project details at The Internet Archive, Project details at The Internet Archive (PDF).
- [9] **The Helioviewer Channel.**  
*Founding entity:* European Space Agency.  
*Program:* ESA Summer of Code in Space (SoCiS) 2012.  
*Main researchers:* Kövesdán, G. and García-Ortiz, J.P. and González-Ruiz, V..  
*Budget:* 4.000 €.  
*From* 2012/06/10 *until* 2012/10/28.  
*Number of researchers:* 3.  
*Evidences:* Implementation at GitHub.
- [10] **Interactive HD Video Streaming with JPIP.**  
*Founding entity:* European Space Agency.  
*Program:* ESA Summer of Code in Space (SoCiS) 2011.  
*Main researchers:* García-Ortiz, J.P. and González-Ruiz, V. and Sánchez-Hernández, J.J..  
*Budget:* 3.000 €.  
*From* 2011/07/01 *until* 2011/10/30.  
*Number of researchers:* 3.  
*Evidences:* JHelioviewer - JPEG2000 Visualization Software, ESA JPIP Server.
- [11] **Codificación eficiente de imágenes DICOM y TRANSCODING de secuencias de video MPEG.**  
*Founding entity:* Junta de Andalucía. Consejería de Educación y Ciencia.

*Main researchers:* Inmaculada García Fernández.

*Budget:* 6.000 €.

*From* 2004/04/01 *until* 2005/12/31.

*Number of researchers:* 4.

## 6. Workshops

- [1] Cristóbal Medina-López, Juan Pablo García Ortiz, J.A.M Maranjo, L.G. Casado, and Vicente González-Ruiz. [IPTV using P2PSP and HTML5+WebRTC](#). In *The Fourth W3C Web and TV Workshop (Web & TV Convergence)*, page Paper Submission 5, March 2014. Munchen, Germany. [Bibtex entry](#).