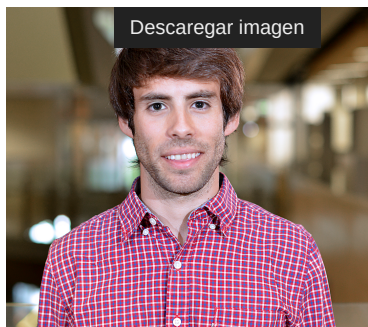




Alberto Riverola Lacasta

Dades personals-contacte / Datos personales-contacto / Personal information-contact



Descargar imagen

Alberto Riverola Lacasta

ry:

Professor Lector / Profesor Lector / Lecturer Professor

Física Aplicada / Física Aplicada / Applied Physics

Departament/Departamento/Department:

Química, Física, Ciències Ambientals i del Sòl / Química, Física, i del Suelo / Chemistry, Physics, Environmental and Soil Sciences

Centre/Centro/Center:

Escola Politècnica Superior / Escuela Politécnica Superior/ Polytechnic

Despatx/Despacho/Office:

Campus de Cappedont. Edifici EPS. Despatx 1.15 / Campus de Cappedont. Despacho 1.15 / Campus of Cappedont. EPS Building. Office 1.15



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<https://orcid.org/0000-0003-2846-7289>

<https://orcid.org/0000-0003-2846-7289>



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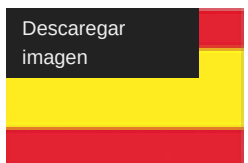
Formació acadèmica / Formación académica / Academic training



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Enginyer Industrial, Universitat de Zaragoza, 2014.

Doctor en Enginyeria i Tecnologies de la Informació, Universitat de Lleida (UdL), 2018.



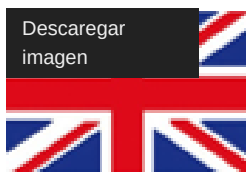
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Ingeniero Industrial, Universidad de Zaragoza, 2014.

Doctor en Ingeniería y Tecnologías de la Información, Universidad de Lleida (UdL), 2018.

Master of Science, University of Zaragoza, 2014.

Doctor of Philosophy (Ph.D.), Engineering and Information Technologies, University of Lleida, 2018.



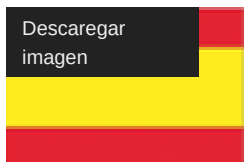
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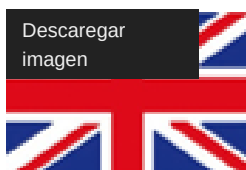
Experiència professional / Experiencia profesional / Professional experience



- Engineer, General Motors, 2013-2015
- Investigador en formació. UdL. 2015-2018
- Investigador post doctoral. UdL. 2018-2020



- Ingeniero, General Motors, 2013-2015
- Investigador en formación. UdL. 2015-2018
- Investigador post doctoral. UdL. 2018-2020



- Engineer, General Motors, 2013-2015
- Researcher Associate and Ph.D. Candidate. UdL. 2015-2018
- Postdoctoral Researcher. UdL. 2018-2020



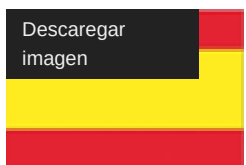
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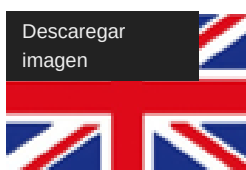
Docència / Docencia / Teaching



- Grau en Enginyeria en Organització Industrial i Logística
- Grau en Enginyeria Química
- Grau en Enginyeria Mecànica



- Grado en Ingeniería en Organización Industrial y Logística
- Grado en Ingeniería Química
- Grado en Ingeniería Mecánica



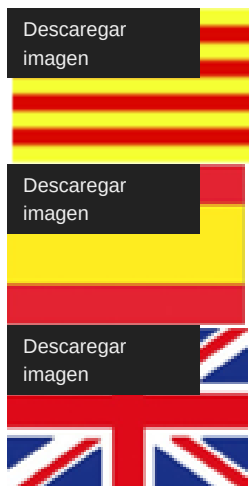
- Degree in Engineering in Industrial Organization and Logistics.
- Degree in Chemical Engineering.
- Degree in Mechanical Engineering





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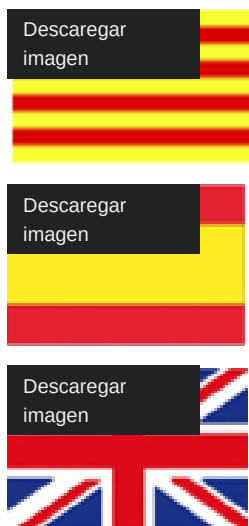
Gestió / Gestión / Management



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Recerca / Investigación / Research

Àmbit de recerca / Ambito de investigación / Research area



▪ Energia solar fotovoltaica
▪ Òptica

▪ Energía solar fotovoltaica
▪ Óptica

▪ Photovoltaic solar energy
▪ Optics

Activitats de recerca / Actividades de investigación / Research activities



Projectes:

... Concentradores solares híbridos térmicos -fotovoltaicos de selección espectral para integración en edificios, 2016-2018, Ministerio de Economía Y Competitividad.



2. Miliconcentradores dielèctrics multifase para integració arquitectònica en fatxada de sistemes solars híbrides, 2014-2017, Ministerio de Economía y Competitividad
3. Building Integration of Solar Thermal Systems (BISTS), 2013-2017, EU RTD Framework Programme

Publicacions:

Google Scholar: <https://scholar.google.com/citations?user=9S-KILkAAAAJ&hl=es> [<https://scholar.google.com/citations?user=9S-KILkAAAAJ&hl=es>]

1. A. Vossier, A. Riverola, D. Chemisana, A. Dollet, and C. A. Gueymard, "Is conversion efficiency still relevant to qualify advanced multi-junction solar cells?," Prog. Photovoltaics Res. Appl. 25, 242–254 (2017).
2. A. Riverola, A. Mellor, D. Alonso Alvarez, L. Ferre Llin, I. Guarracino, C. N. Markides, D. J. Paul, D. Chemisana, and N. Ekins-Daukes, "Mid-infrared emissivity of crystalline silicon solar cells," Sol. Energy Mater. Sol.

Cells 174, 607–615 (2018).

1. A. Moreno, A. Riverola, and D. Chemisana, "Energetic simulation of a dielectric photovoltaic-thermal concentrator," Sol. Energy 169, 374–385 (2018).
2. A. Riverola, A. Moreno and D. Chemisana "Performance of a dielectric PVT concentrator for building-façade integration," Optics Express 26, A892 (2018).
3. D. Chemisana, J. I. Rosell, A. Riverola, and C. Lamnatou, "Experimental performance of a Fresnel transmission PVT concentrator for building-façade integration," Renew. Energy 85, 564–572 (2016).

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imagen

Proyectos:

1. Concentradores solares híbridos térmicos -fotovoltaicos de selección espectral para integración en edificios, 2016-2018, Ministerio de Economía Y Competitividad.
2. Miliconcentradores dieléctricos multifase para integración arquitectónica en fachada de sistemas solares híbridos, 2014-2017, Ministerio de Economía y Competitividad
3. Building Integration of Solar Thermal Systems (BISTS), 2013-2017, EU RTD Framework Programme

Publicaciones:

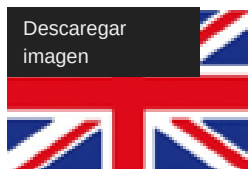
Google Scholar: <https://scholar.google.com/citations?user=9S-KILkAAAAJ&hl=es>

1. A. Vossier, A. Riverola, D. Chemisana, A. Dollet, and C. A. Gueymard, "Is conversion efficiency still relevant to qualify advanced multi-junction solar cells?," Prog. Photovoltaics Res. Appl. 25, 242–254 (2017).
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Projects:

1. Hybrid thermal-photovoltaic solar concentrators with spectral selection for building integration, 2016-2018, Ministerio de Economía Y Competitividad.
2. Multi-phase dielectric milliconcentrators for architectural integration in the facade of hybrid solar systems, 2014-2017, Ministerio de Economía y Competitividad
3. Building Integration of Solar Thermal Systems (BISTS), 2013-2017, EU RTD Framework Programme

Publications:

Google Scholar: <https://scholar.google.com/citations?user=9S-KILkAAAAJ&hl=es>

1. A. Vossier, A. Riverola, D. Chemisana, A. Dollet, and C. A. Gueymard, "Is conversion efficiency still relevant to qualify advanced multi-junction solar cells?," Prog. Photovoltaics Res. Appl. 25, 242–254 (2017).
2. A. Riverola, A. Mellor, D. Alonso Alvarez, L. Ferre Llin, I. Guarracino, C. N. Markides, D. J. Paul, D. Chemisana, and N. Ekins-Daukes, "Mid-infrared emissivity of crystalline silicon solar cells," Sol. Energy Mater. Sol.

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5. D. Chemisana, J. I. Rosell, A. Riverola, and C. Lamnatou, "Experimental performance of a Fresnel transmission PVT concentrator for building-façade integration," Renew. Energy 85, 564–572 (2016).



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