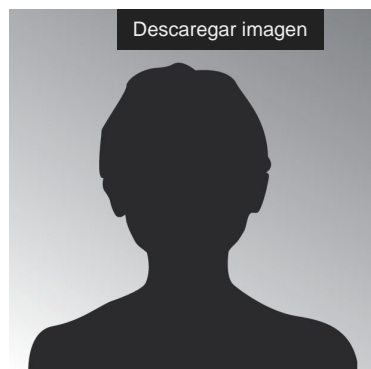




Carles Mateu Piñol

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



Carles Mateu Piñol

ry:

Professor Agregat / Profesor Agregado-Contratado Doctor / Associ

Ciències de la computació i intel·ligència artificial / Ciencias
inteligencia artificial / Computer science and artificial intelligence

/Department:

Informàtica i Enginyeria Industrial / Informática e Ingeniería Indu
Industrial Engineering

Centre/Centro/Center:

Escola Politècnica Superior / Escuela Politécnica Superior/ Polyte

Despatx/Despacho/Office:

Campus de Cappont. Edifici EPS. Despatx 3.23 / Campus de
Despacho 3.23 / Campus of Cappont. EPS Building. Office 3.23



carlesm@diei.udl.cat

mailto:carlesm@diei.udl.cat



+34 973 70 21 99

Code ORCID:

<https://orcid.org/0000-0002-4864-0328>

<https://orcid.org/0000-0002-4864>

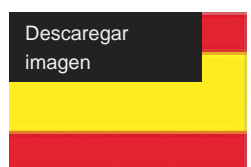


TORNAR AL LLISTAT / VOLVER AL LISTADO / BACK TO LIST [
/sites/Eps/ca/lescola/organitzacio/personal-docent-i-investigador/]

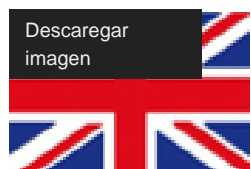
Formació acadèmica / Formación académica / Academic training



Doctor en enginyeria informàtica



Doctor en ingeniería informática




PhD Computer Science




TORNAR AL LLISTAT / VOLVER AL LISTADO / BACK TO LIST [
/sites/Eps/ca/lescola/organitzacio/personal-docent-i-investigador/]


Experiència professional / Experiencia profesional / Professional experience

- Descargar imagen  Director de l'Àrea de Sistemes d'Informació i Comunicacions (UdL). 2003-2007.
Cap de Sistemes i Comunicacions (UdL). 2007-2009.



- Descargar imagen  Director del Área de Sistemas de Información y Comunicaciones (UdL). 2003-2007.
Jefe de Sistemas y Comunicaciones (UdL). 2007-2009.




- Descargar imagen  Director of the Information Systems and Communications Area (UdL). 2003-2007.
Head of Systems and Communications (UdL). 2007-2009.




TORNAR AL LLISTAT / VOLVER AL LISTADO / BACK TO LIST [
/sites/Eps/ca/lescola/organitzacio/personal-docent-i-investigador/]


Docència / Docencia / Teaching

- Descargar imagen  Grau en Enginyeria Informàtica.
Grau en Enginyeria Electrònica Industrial i Automàtica.
Màster en Enginyeria Informàtica.



- Descargar imagen  Grado en Ingeniería Informática.
Grado en Ingeniería Electrónica Industrial y Automática.
Master en Ingeniería Informática.



- Descargar imagen  Degree in Computer Engineering.
Degree in Industrial Electronics and Automation.
Master in Computer Engineering.

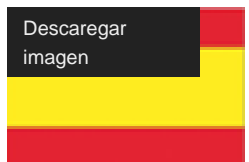


TORNAR AL LLISTAT / VOLVER AL LISTADO / BACK TO LIST [
/sites/Eps/ca/lescola/organitzacio/personal-docent-i-investigador/]

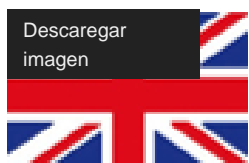
Gestió / Gestión / Management



- Director executiu centre de recerca de la UdL INSPIRES.
- Adjunt al vicerectorat d'Infraestructures i Tecnologies de la Informació.



- Director ejecutivo centro de investigación de la UdL INSPIRES.
- Adjunto al vicerrectorado de Infraestructuras y Tecnologías de la Información.



- Executive director of the UdL INSPIRES research center.
- Deputy to the vice-rectorate of Infrastructures and Information Technologies

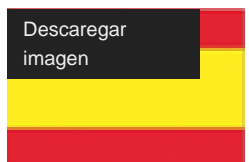


TORNAR AL LLISTAT / VOLVER AL LISTADO / BACK TO LIST [</sites/Eps/ca/lescola/organitzacio/personal-docent-i-investigador/>]

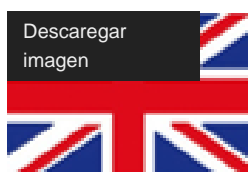
Àmbit de recerca / Ambito de investigación / Research area



- Intel·ligència Artificial.
- Aprenentatge automàtic.
- Big Data.



- Inteligencia Artificial.
- Aprendizaje automático.
- Big Data.



- Artificial intelligence.
- Machine learning
- Big Data.

Activitats de recerca / Actividades de investigación / Research activities



Publicacions:

- Alsinet, T., Argelich, J., Béjar, R., Fernández, C., Mateu, C. & Planes, J. (2018). An argumentative approach for discovering relevant opinions in twitter with probabilistic valued relationships. *Pattern Recognition Letters*, 105, 191–199. doi:10.1016/j.patrec.2017.07.004
- Martin-Fuentes, E., Fernández, C., Mateu, C. & Marine-Roig, E. (2018). Modelling a grading scheme for peer-to-peer accommodation: stars for airbnb. *International Journal Of Hospitality Management*, 69, 75–83. doi:10.1016/j.ijhm.2017.10.016



- Fernández, C., Mateu, C., Moral, R. & Sole-Mauri, F. (2016). A predictor model for the composting process on an industrial scale based on markov processes. *Environmental Modelling and Software*, 79, 156–166. doi:10.1016/j.envsoft.2016.02.007
- de Gracia, A., Fernández, C., Castell, A., Mateu, C. & Cabeza, L. F. (2015). Control of a pcm ventilated facade using reinforcement learning techniques. *Energy and Buildings*, 106, 234–242. doi:10.1016/j.enbuild.2015.06.045
- Fernández, C., Manyà, F., Mateu, C. & Sole-Mauri, F. (2015). Approximate dynamic programming for automated vacuum waste collection systems. *Environmental Modelling and Software*, 67, 128–137. doi:10.1016/j.envsoft.2015.01.013

Patents:

- César Fernández Camón; Carlos Mateu Piñol; Ramón Béjar Torres; Felipe Mañá Serres. Method for the Removal of Waste from a Network of Waste Inlets. Application number: EP12382186.0

Projectes europeus:

- 2018/2022 - SWS-HEATING: Development and Validation of an Innovative Solar Compact Selective-Water-Sorbent-Based Heating System
- 2017/2021 – HYBUILD: Innovative compact HYbrid electrical/thermal storage systems for low energy BUILDings
- 2016/2020 - Innova MicroSolar: Innovative Microsolar Heat and

power System for Domestic and Small Business Buildings

- 2015/2018 - PhD on Innovation Pathways for TES — INPATHTES action
- 2014/2016 – Rewastee: Recycling steel making solid wastes for added value Energy efficiency building products
- 2012/2016 - MERITS: More effective use of Renewables Including compact seasonal Thermal energy Storage

Projectes nacionals:

- 2017/2018 - Generació D'Un Simulador Que Reprodueixi Els Comportaments Del Sistema. Urban Refuse Development, SL.
- 2016/2018 - Identificación de barreras y oportunidades sostenibles en los materiales y aplicaciones del almacenamiento de energía térmica.
- 2014/2017 - TASSAT 2: Teoría y Aplicaciones en Satisfactibilidad y Optimización de Restricciones.

Descargar
imagen

Publicaciones:

- Alsinet, T., Argelich, J., Béjar, R., Fernández, C., Mateu, C. & Planes, J. (2018). An argumentative approach for discovering relevant opinions in twitter with probabilistic valued relationships. *Pattern Recognition Letters*, 105, 191–199.

doi:10.1016/j.patrec.2017.07.004



- Martin-Fuentes, E., Fernández, C., Mateu, C. & Marine-Roig, E. (2018). Modelling a grading scheme for peer-to-peer accommodation: stars for airbnb. *International Journal Of Hospitality Management*, 69, 75–83. doi:10.1016/j.ijhm.2017.10.016
- Fernández, C., Mateu, C., Moral, R. & Sole-Mauri, F. (2016). A predictor model for the composting process on an industrial scale based on markov processes. *Environmental Modelling and Software*, 79, 156–166. doi:10.1016/j.envsoft.2016.02.007
- de Gracia, A., Fernández, C., Castell, A., Mateu, C. & Cabeza, L. F. (2015). Control of a pcm ventilated facade using reinforcement learning techniques. *Energy and Buildings*, 106, 234–242. doi:10.1016/j.enbuild.2015.06.045
- Fernández, C., Manyà, F., Mateu, C. & Sole-Mauri, F. (2015). Approximate dynamic programming for automated vacuum waste collection systems. *Environmental Modelling and Software*, 67, 128–137. doi:10.1016/j.envsoft.2015.01.013

Patentes:

- César Fernández Camón; Carlos Mateu Piñol; Ramón Béjar Torres; Felipe Mañá Serres. Method for the Removal of Waste from a Network of Waste Inlets. Application number: EP12382186.0

Proyectos europeos:

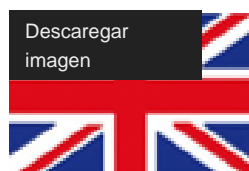
- 2018/2022 - SWS-HEATING: Development and Validation of an Innovative Solar Compact Selective-Water-Sorbent-Based Heating System
- 2017/2021 – HYBUILD: Innovative compact HYbrid electrical/thermal storage systems for low energy BUILDings
- 2016/2020 - Innova MicroSolar: Innovative Microsolar Heat and

power System for Domestic and Small Business Buildings

- 2015/2018 - PhD on Innovation Pathways for TES — INPATHTES action
- 2014/2016 – Rewastee: Recycling steel making solid wastes for added value Energy efficiency building products
- 2012/2016 - MERITS: More effective use of Renewables Including compact seasonal Thermal energy Storage

Proyectos nacionales:

- 2017/2018 - Generació D'Un Simulador Que Reprodueixi Els Comportaments Del Sistema. Urban Refuse Development, SL.
- 2016/2018 - Identificación de barreras y oportunidades sostenibles en los materiales y aplicaciones del almacenamiento de energía térmica.
- 2014/2017 - TASSAT 2: Teoría y Aplicaciones en Satisfactibilidad y Optimización de Restricciones.



Publications:



- Alsinet, T., Argelich, J., Béjar, R., Fernández, C., Mateu, C. & Planes, J. (2018). An argumentative approach for discovering relevant opinions in twitter with probabilistic valued relationships. *Pattern Recognition Letters*, 105, 191–199. doi:10.1016/j.patrec.2017.07.004
- Martin-Fuentes, E., Fernández, C., Mateu, C. & Marine-Roig, E. (2018). Modelling a grading scheme for peer-to-peer accommodation: stars for airbnb. *International Journal Of Hospitality Management*, 69, 75–83. doi:10.1016/j.ijhm.2017.10.016
- Fernández, C., Mateu, C., Moral, R. & Sole-Mauri, F. (2016). A predictor model for the composting process on an industrial scale based on markov processes. *Environmental Modelling and Software*, 79, 156–166. doi:10.1016/j.envsoft.2016.02.007
- de Gracia, A., Fernández, C., Castell, A., Mateu, C. & Cabeza, L. F. (2015). Control of a pcm ventilated facade using reinforcement learning techniques. *Energy and Buildings*, 106, 234–242. doi:10.1016/j.enbuild.2015.06.045
- Fernández, C., Manyà, F., Mateu, C. & Sole-Mauri, F. (2015). Approximate dynamic programming for automated vacuum waste collection systems. *Environmental Modelling and Software*, 67, 128–137. doi:10.1016/j.envsoft.2015.01.013

Patents:

- César Fernández Camón; Carlos Mateu Piñol; Ramón Béjar Torres; Felipe Mañá Serres. Method for the Removal of Waste from a Network of Waste Inlets. Application number: EP12382186.0

European Projects:

- 2018/2022 - SWS-HEATING: Development and Validation of an Innovative Solar Compact Selective-Water-Sorbent-Based Heating System
- 2017/2021 – HYBUILD: Innovative compact HYbrid electrical/thermal storage systems for low energy BUILDings
- 2016/2020 - Innova MicroSolar: Innovative Microsolar Heat and

power System for Domestic and Small Business Buildings

- 2015/2018 - PhD on Innovation Pathways for TES — INPATHTES action
- 2014/2016 – Rewastee: Recycling steel making solid wastes for added value Energy efficiency building products
- 2012/2016 - MERITS: More effective use of Renewables Including compact seasonal Thermal energy Storage

National Projects:

- 2017/2018 - Generació D'Un Simulador Que Reprodueixi Els Comportaments Del Sistema. Urban Refuse Development, SL.
- 2016/2018 - Identificación de barreras y oportunidades sostenibles en los materiales y aplicaciones del almacenamiento de energía térmica.
- 2014/2017 - TASSAT 2: Teoría y Aplicaciones en Satisfactibilidad y Optimización de Restricciones.



TORNAR AL LLISTAT / VOLVER AL LISTADO / BACK TO LIST [
</sites/Eps/ca/lescola/organitzacio/personal-docent-i-investigador/>]