



TESIS DOCTORAL

La descentralización estructural y la heterogeneidad funcional en la producción colectiva de conocimiento: Una justificación teórica y computacional del paradigma P2P

ANEXOS

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Getafe, Noviembre de 2015

Apéndice A

Posters

En este primer anexo se adjuntan algunos pósters que han sido presentados durante el desarrollo de esta tesis y que guardan relación con la investigación presentada.

- En primer lugar hemos incluido el póster *Biological Peer-to-Peer Networks: From Bacterial Communication to the Development of Synthetic Distributed Systems*, presentado en la conferencia *Biology of plastids: Towards a blueprint for synthetic organelles. EMBO-ESF, 2014*. <http://hdl.handle.net/10016/22341>
- En segundo lugar, se incluye el póster *P2P Societies: The impact of Decentralization and Heterogeneity in Complex Systems*, presentado en *Design and Control of Self-Organizing Systems, 16th Congress of the World Organization of Systems and Cybernetics, 2014*. <http://hdl.handle.net/10016/22349>

Apéndice B

Publicaciones

En este segundo anexo se adjuntan algunos de los artículos que han sido publicados durante el desarrollo de esta tesis, y que guardan relación con la investigación presentada, sirviendo como complemento a los aspectos aquí descritos.

- D. Gonzalez-Rodriguez and J. R. Hernandez-Carrion, “A Bacterial-Based Algorithm to Simulate Complex Adaptive Systems,” *Lecture Notes in Artificial Intelligence (LNAI)*, vol. 8575, pp. 250–259, 2014. <http://hdl.handle.net/10016/22371>
- D. Gonzalez-Rodriguez and V. Kostakis, “Information literacy and peer-to-peer infrastructures: An autopoietic perspective,” *Telematics and Informatics*, vol. 32, pp. 586– 593, 2015. <http://hdl.handle.net/10016/22360>
- D. Gonzalez-Rodriguez and J. R. Hernandez-Carrion, “Decentralization and Heterogeneity in Complex Adaptive Systems,” *Kybernetes*, accepted: K-01-2015-0030.R1, 2015. <http://hdl.handle.net/10016/22450>
- D.González-Rodríguez, “Modelización de Sistemas de Computación Distribuida

- con Bacterias Sintéticas mediante Autómatas Celulares,” *Revista Internacional de Sistemas*, vol. 19, pp. 62–74, 2014. <http://hdl.handle.net/10016/22356>
- J. R. Hernandez-Carrion and D. González-Rodríguez, “Modelling Complex Dynamics and Distributed Generation of Knowledge with Bacterial-Based Algorithms,” in *Economics and Bussiness Communication Challenges*, Katowice: University of Economics in Katowice, 2014, pp. 138–148. <http://hdl.handle.net/10016/22871>

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