

INTERNATIONAL CONGRESSES AND CONFERENCES

- S. Rouchier, M.J. Jimenez, S. Castaño. “**Sequential Monte Carlo for on-line estimation of the heat loss coefficient**”. Presented at “7th International Building Physics Conference (IBPC 2018)” 23-26 September 2018, Syracuse, New York (EEUU).
- A.J. Alonso, S. Castaño, M. Pérez, M.J. Jimenez. “**Non-intrusive experimental assessment of air renovations in buildings and comparison to tracer gas measurements**”. Presented at “39th AIVC - 7th TightVent & 5th venticool Conference. Smart ventilation for buildings” 18-19 September 2018, Antibes Juan-Les-Pins, France. Published in proceedings of the congress ISBN: 2-930471-53-2
- M.J. Jiménez, R. Enriquez, S. Soutullo, M.N. Sánchez, J.A. Díaz, R. Olmedo, M.R. Heras. “**Medidas de calidad y no intrusivas para la evaluación y optimización energética de edificios existentes con elementos constructivos avanzados. Monitorización de edificios y caracterización de componentes**”. Presented at “XVI Congreso Ibérico y XII Congreso Iberoamericano de Energía Solar”, Madrid 20 – 22 June 2018, Published in proceedings of the congress Asociación Española de Energía Solar (ed.), ISBN: 978-84-86913-14-4.
- J.A. Díaz, J.D. Bravo, M.J. Jiménez. “**Metodología simplificada para ensayo y caracterización de componentes constructivos en clima cálido y soleado. Aplicación a la caracterización de un componente de referencia**”. Presented at “XVI Congreso Ibérico y XII Congreso Iberoamericano de Energía Solar”, Madrid 20 – 22 June 2018, Published in proceedings of the congress Asociación Española de Energía Solar (ed.), ISBN: 978-84-86913-14-4.
- J.C. Frutos, M. Coillot, M. El Mankibi, R. Enriquez, M.J. Jiménez, J. Arce. “**Laboratory and In-situ experimental studies of PCM base Active Solar Chimney**”. Presented at “XVI Congreso Ibérico y XII Congreso Iberoamericano de Energía Solar”, Madrid 20 – 22 June 2018, Published in proceedings of the congress Asociación Española de Energía Solar (ed.), ISBN: 978-84-86913-14-4
- J.C. Frutos, M. Coillot, M. El Mankibi, R. Enriquez, M.J. Jiménez, J. Arce. “**Active Solar Chimney (ASC) - Numerical and Experimental Study of Energy Storage and Evaporative Cooling**”. Presented at “ISES Solar World Conference 2017 and the IEA SHC Solar Heating and Cooling Conference for Buildings and Industry”. Abu Dhabi, United Arab Emirates, 29/10/2017-02/11/2017. Published in proceedings of the congress ISBN: 978-3-981 465 9-7-6.
- S. Soutullo, M.N. Sánchez, R. Enríquez, R. Olmedo, M.J. Jimenez. “**Bioclimatic vs Conventional building: experimental quantification of the thermal improvements**”. Presented at “CISBAT 2017 International Conference – Future Buildings & Districts – Energy Efficiency from Nano to Urban Scale, CISBAT 2017” 6-8 September 2017, Lausanne, Switzerland.
- S. Soutullo, M.N. Sánchez, R. Enríquez, M.J. Jimenez and M.R. Heras. “**Empirical estimation of the climatic representativeness in two different areas: dessert and Mediterranean climates**”. Presented at “CISBAT 2017 International Conference – Future Buildings & Districts – Energy Efficiency from Nano to Urban Scale, CISBAT 2017” 6-8 September 2017, Lausanne, Switzerland.
- J.A. Díaz, M.J. Jiménez. “**Experimental assessment of occupancy patterns of rooms in an office building. Comparison of different approaches**”. Presented at “12th REHVA WORD CONGRESS”. Aalborg (Denmark). 22-25 May 2016. Published in proceedings of the congress ISBN: 87-91606-31-4 (vol. 6), 87-91606-36-5 (set).
- R. Enríquez, M.J. Jiménez, M.R. Heras. “**Solar forecasting requirements for Net Zero Energy Buildings and Communities Model Predictive Control**”. Presented at “International Conference on Solar Heating and Cooling for Buildings and Industry (SHC 2015)”. Estambul (Turkey); 2-4 December 2015.
- R. Enríquez, D. Bravo, J.A. Díaz, M.J. Jiménez. “**Mechanical ventilation performance assessment in several office buildings by means of Big Data techniques**”. Presented at “36th AIVC conference. Effective ventilation in high performance buildings”. ISBN: 2-930471-45-X. Madrid (Spain); 23-24 September 2015.
- J. Arce, M.J. Jiménez, R. Enríquez, J. Xamán, S. Castaño, G. Álvarez, M.R. Heras. “**Thermal performance analysis of a solar chimney, based on the experimental study of the main driving variables in a physical prototype**”. Presented at “36th AIVC conference. Effective ventilation in high performance buildings”. ISBN: 2-930471-45-X. Madrid (Spain); 23-24 September 2015.
- M. Nuria Sánchez, Cristina Sanjuan, M. Rosario Heras. “**3D fluid dynamic analyses of open joint ventilated facades applying experimental STEREO-PIV techniques**”. Presented at “36th AIVC conference effective ventilation in high performance buildings”. ISBN: 2-930471-45-X. Madrid (España); 23-24 September 2015.

- S. Soutullo, M.N. Sanchez, R. Enríquez, M.J. Jiménez, M.R. Heras. **“Thermal comfort assessment in a sustainable designed office building”**. Presented at “36th AIVC conference. Effective ventilation in high performance buildings”. ISBN: 2-930471-45-X. Madrid (Spain); 23-24 September 2015.
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- M.J. Jiménez, J.J. Bloem. **“Energy performance assessment of buildings and building components. Guidelines for data analysis from dynamic experimental campaigns part 1: physical aspects”**. Presented at “6th International Building Physics Conference (IBPC 2015)”. Turin (Italy); 14-17 June 2015.
- S. Roels, P. Bacher, G. Bauwens, H. Madsen, M.J. Jiménez. “Characterising the actual thermal performance of buildings: current results of common exercises performed in the framework of the IEA EBC Annex 58-project”. Presented at “6th International Building Physics Conference (IBPC 2015)”. Turin (Italy); 14-17 June 2015.
- S. Roels, G. Bauwens, G. Flamant, M.J. Jiménez, H. Madsen. **“Characterising the actual thermal performance of buildings: round robin experiment within IEA EBC Annex 58”**. Presented at “10th Nordic Symposium on Building Physics”. Lund (Sweden); 15-19 June 2014.
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- M.J. Jiménez, R. Enríquez, L. Castillo, M.R. Heras. **“Data analysis methods for building energy performance characterisation: Context and CIEMAT experiences in applications to test campaigns in warm sunny weather”**. Presented at “Workshop on High Energy Performance Buildings. Design and Evaluation Methodologies”. Brussels (Belgium); 24-26 June 2013.
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- I. Naveros; M.J. Jiménez; D.P. Ruiz; M.R. Heras. **“Energy performance characterisation of building components in Mediterranean weather: Simple and homogeneous wall test”**. Presented at “6TH International Conference on Solar Radiation and Daylighting”. 16-17 Granada (Spain). May 2013. ISBN: 978-84-15873-04-4
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- C. Sanjuan, M.R. Heras, M.N. Sánchez. **“Experimental PIV Techniques Applied to the Analysis of Natural Convection in Open Joint Ventilated Facades”**. Presented at “International Conference on Solar Heating and Cooling for Buildings and Industry (SHC 2012)”. San Francisco. (EEUU), July 2012.
- M. J. Jiménez. **“Evaluación energética experimental de edificios y componentes constructivos”**. Presented at **“1er Workshop Internacional de Energía Solar”** organised by “Centro Nacional de Investigación y Desarrollo Tecnológico (CENIDET)” from México, in the framework of “RED TEMÁTICA FUENTES DE ENERGÍA” en el área de “Energía Solar Térmica – Baja Temperatura”. October 2011.
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- M.J. Jiménez. **“LECE-UiE3-CIEMAT Test Facilities”**. Full scale test facilities for evaluation of energy and hygrothermal performances. (A Janssens, S. Roels, L. Vandaele, ed.), ISBN 978-94-9069-584-2, BFG, UGent, Belgium. (International workshop organised in the preparatory phase to the proposal for Annex 58 ECBCS IEA. 30-31 March 2011, Brussels, Belgium).
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