

Weekly newsLetter in Statistical Physics: conferences, academic jobs and post-doc positions

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CONFERENCES

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Longueur Max

theory. The deadline for the application is May 15, 2020. Further information and

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POST-DOC POSITIONS

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**Postdoc in computational Hamiltonian systems and stellarator design,  
Warwick, Coventry, UK**

Robert MacKay [R.S.MacKay@warwick.ac.uk](mailto:R.S.MacKay@warwick.ac.uk) seeks a 12-month postdoc to apply a method for non-existence of invariant tori of Hamiltonian systems to magnetic fields and guiding-centre motion.

[https://atsv7.wcn.co.uk/search\\_engine/jobs.cgi?owner=5062452&ownertype=fair&jcode=1871418&vt\\_template=1457&adminview=1](https://atsv7.wcn.co.uk/search_engine/jobs.cgi?owner=5062452&ownertype=fair&jcode=1871418&vt_template=1457&adminview=1)

Closing date: 8 September 2020.

From: "MacKay, Robert" <[R.S.MacKay@warwick.ac.uk](mailto:R.S.MacKay@warwick.ac.uk)>

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**Post-doc position in Nonlinear Dynamics/Statistical Physics  
at Jacobs University Bremen, Germany**

The project is on transient processes and rare events in complex systems, related to evolutionary game theory and heteroclinic dynamics. The focus is on the prediction of transient phenomena such as spatio-temporal pattern formation. Patterns range from temporal sequences of excitations in neural networks to self-organized spatial segregation and the formation of temporary alliances between species in ecological or social systems, including extinction events, whose risk for occurrence should be analytically estimated. Possible applications refer in particular to cognitive dynamics, with transient heteroclinic processes being coupled and going on in parallel. Very good programming skills and expertise with analytical calculations are required. Experience in bifurcation analyses and large deviation theory is desirable. The position is for 2 years with a possible start by the end of this year or earlier. <https://www.jacobs-university.de/directory/meyer-ortmanns> .

From: "Meyer-Ortmanns, Hildegard" <[h.ortmanns@jacobs-university.de](mailto:h.ortmanns@jacobs-university.de)>

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MISCELLANEOUS

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