



Heat Powered Cycles Conference

University of the Basque Country, Bilbao, Spain
19th – 22nd September 2021

First Call for Papers

This is the 9th Heat Powered Cycles Conference to be organised. The first was held at Nottingham in 1997. This time the event is being co-organised by the University of the Basque Country (Spain), the National Institute for Space Research (Brazil), Vorarlberg University of Applied Sciences (Austria) and the University of Bristol (UK). The conference is to be held at the Universidad del País Vasco and hosted by the University of the Basque Country in Bilbao (Spain) by Professor Jesús María Blanco Ilzarbe. In addition to formal presentations of technical papers, including invited Keynote papers, the event will include poster sessions and workshops. There will also be a full social programme for both delegates and accompanying partners.

The conference is concerned with scientific and technological innovations relating to the efficient and economic use of heat, derived from all its sources, to the production of cooling, heating and mechanical power either independently or co-generatively. Subject areas of particular interest include: hybrid cycles, ORCs, Stirling cycle machines, thermo-acoustic engines and coolers, sorption cycle refrigerators and heat pumps, jet-pump (ejector) machines, temperature amplifiers (heat transformers), chemical heat pumps, new working fluids, mass and heat transfer phenomena, desalination of brackish water and seawater, compact heat exchanger research (including foams and other micro-channel research), thermo-economics, process optimisation and modelling, process and cycle thermodynamics. Some sessions will also deal with intelligent thermal energy systems in terms of big data, novel control algorithms and expert systems.

If you have any questions or queries regarding the suitability of your proposed paper or the instructions for its submission or presentation please do not hesitate to contact Ian Eames (ianweames@aol.com) or Roger Riehl (roger.riehl@gtts.com.br) or the HPC organising committee via enquiries@heatpoweredcycles.org.

Please feel welcome to discuss any ideas for papers/presentations, for special sessions of any general aspects concerning the conference with Ian Eames, Roger Riehl or Markus Preissinger (markus.preissinger@fhv.at).

Further information can be found at our conference web site: www.heatpoweredcycles.org



Instructions for authors

Authors are asked to submit a two-page extended abstract as an attached MS Word document (in a zip-file where necessary), to the Conference Secretariat at submission@heatpoweredcycles.org.

The template for the two pages extended abstract can be downloaded directly from the conference's webpage. Authors are asked to follow the instructions for the presentation of abstracts carefully. Once submitting the extended abstract, please kindly appoint within which area you want your work to be considered for (Thermodynamic Cycles, Heat and Mass Transfer, Power Generation Cycles, Sorption Cycles, Heat Exchangers, Working Fluids, Intelligent Thermal Energy Systems).

The deadline for submission is the 20th Nov 2020 and notifications of accepted abstracts will be given by the 20th January 2021.

Accepted abstracts will be printed in the conference proceedings and successful authors will be invited to submit full papers by 22nd April 2021. Selected papers will be published in several refereed journals (to be confirmed).

Important Conference Dates

20 th November 2020	Closing date for submission of 2-page abstracts
20 th January 2021	Notification of acceptance of abstracts
22 nd April 2021	Latest date for the submission for full papers
12 th June 2021	Final paper acceptance notice
18 th June 2021	Latest date for early bird registration
19 th – 22 nd September 2021	Conference dates