$\begin{array}{l} \underset{H(\mathcal{S}) = -\sum p_i \log_2 p_i}{\text{From Physics to Information Sciences and Geometry}} \end{array} \\ \end{array}$ entropy $\frac{8}{4} + \frac{16}{4} - 16 \text{ May 2018, Barcelona, Spain}$

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The origin of the word "Entropy" goes back to the start of physics (thermodynamics), but since Shannon, it has become related to information theory. This conference is an opportunity to bring researchers of these two communities together and create a synergy. The main topics and sessions of the conference cover:

- Physics: classical Thermodynamics and Quantum
- · Statistical physics and Bayesian computation
- · Geometrical science of information, topology and metrics
- Maximum entropy principle and inference
- Kullback and Bayes or information theory and Bayesian inference
- Entropy in action (applications)

 $H = \int_{-\infty}^{\infty} f(x) \log(f(x) \Delta) \, dx$

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 $\operatorname{H}(X,Y) \subseteq \operatorname{H}(X|Y) + \operatorname{H}(Y) = \operatorname{H}(Y|X) + \operatorname{H}(X)$

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DEADLINES Early bird: 20 Mar. 2018 Abstract Submission: 23 Feb. 2018 Covering author registration: 16 Apr. 2018



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