

Selected References from the Journal **Entropy**

You can choose one of them as the subject of your
Mid-term Oral Presentation

Application-oriented papers

- ▶ 1. Distributed **Vector Quantization** Based on **Kullback-Leibler Divergence**
- ▶ 2. A Robust **Image Tampering Detection** Method Based on **Maximum Entropy** Criteria
- ▶ 3. An **Information-based Approach** to Precision Analysis of **Indoor WLAN Localization** Using Location Fingerprint
- ▶ 4. An **Optimal Segmentation** Method Using **Jensen-Shannon Divergence** via Multi-Size Sliding Window Technique

- ▶ 5. **Information Theoretic Measures to Infer Feedback Dynamics in Coupled Logistic Networks**
- ▶ 6. **Neighborhood Approximations for Non-Linear Voter Models**
- ▶ 7. **Word-Length Correlations** and **Memory** in Large Texts :A Visibility Network Analysis
- ▶ 8. Expected **Utility** and **Entropy-based Decision-Making Model** for Large Consumers in the **Smart Grid**
- ▶ 9. **Identification of Green, Oolong and Black Teas** in China via **Wavelet Packet Entropy** and **Fuzzy Support Vector Machine**

- ▶ 10. A Novel **Image Encryption Algorithm** Based on **DNA Encoding and Spatiotemporal Chaos**
- ▶ 11. Method for Measuring the **Information Content of Terrain** from Digital **Elevation Models**
- ▶ 12. Quantifying Emergent Behavior of **Autonomous Robots**
- ▶ 13. **Subspace coding for networks** with Different Level Messages
- ▶ 14. Distributing **Secret Keys** with **Quantum Continuous Variables** : Principle, Security and Implementations

- ▶ 15. Proportionate Minimum **Error Entropy** Algorithm for **Sparse System Identification**
- ▶ 16. A new Feature Extraction Method Based on the **Information Fusion of Entropy matrix** and **Covariance matrix** and Its Application in **Face Recognition**
- ▶ 17. **Identity Authentication** over **Noisy Channels**
- ▶ 18. **Maximum Entropy** Estimation of **Probability** Distribution of variables in **Higher Dimensions** from **Lower Dimensional Data**

- ▶ 19. Content Based **Image Retrieval** using **Embedded Neural Networks** with Bandletized Regions
- ▶ 20. A **Colour Image Encryption** Scheme Using **Permutation-Substitution Based on Chaos**
- ▶ 21. **Entropy-Based Privacy** Against **Profiling of User Mobility**
- ▶ 22. Personal **Information Leaks** with **Automatic Login in Mobile Social Network Services**
- ▶ 23. Modeling and Analyzing the Interaction between Network Rumor and Authoritative Information
- ▶ 24. A novel Block-based Scheme for Arithmetic Coding

- ▶ **25. Depth Image Coding** Using Entropy-based Adaptive Measurement Allocation
- ▶ 26. Message **Authentication** over Noisy Channels
- ▶ 27. A Color Image **Encryption** Algorithm based on a **Fractional-order Hyperchaotic System**
- ▶ 28. **Partial Encryption** of Entropy-coded Video **Compression** using Coupled **Chaotic Maps**
- ▶ 29. A **Clustering** Method based on the Maximum Entropy Principle
- ▶ 30. **Information Theory in Scientific Visualization**
- ▶ 31. Applying **Information Theory** to **Neuronal Networks** : From Theory to Experiments

Theoretic-oriented Papers :

- ▶ A. Some New Properties for Degree-based **Graph Entropies**
- ▶ B. A New Tight Upper Bound on the **Entropy Sums**
- ▶ C. **Measurement, Interpretation and Information**
- ▶ D. The **Second Law Today** : Using **Maximum-Minimum Entropy Generation**
- ▶ E. A **Bayesian Decision-Theoretic Approach** to Logically-Consistent **Hypothesis Testing**
- ▶ F. A Novel method for Increasing the **Entropy** of a Sequence of Independent, Discrete Random variables

- ▶ G. Towards **Information Lasers**
- ▶ H. A **Bayesian Predictive Discriminant Analysis** with Screened Data
- ▶ I. **Entropy Dynamics**
- ▶ J. On Monotone Embedding in **Information Geometry**
- ▶ K. **Fisher Information** Properties
- ▶ L. **Tail Risk Constraints** and **Maximum Entropy**
- ▶ M. The **Fisher Information** as a **Neural Guiding Principle for Independent Component Analysis**
- ▶ N. **Entropy, information Theory, Information Geometry and Bayesian Inference in data, Signal and Image Processing and Inverse Problems**

- ▶ O. **Losing Information Outside the Horizon --- (Physics)**
- ▶ P. Contribution to **transfer Entropy Estimation via the k-Nearest-Neighbors Approach**
- ▶ Q. **Permutation Entropy for Random Binary Sequences**
- ▶ R. The Entropy of **Discrete Real Variable**
- ▶ S. A Note on Distance-based **Graph Entropies**
- ▶ T. Redundancy of Exchangeable **Estimators**
- ▶ U. On **Shannon**'s Formula and **Hartley**'s Rule : Beyond the mathematical Coincidence