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
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
A. Some New Properties for Degree-based Graph Entropies
B. A New Tight Upper Bound on the Entropy Sums
C. Measurement, Interpretation and Information
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