

**Journal and fully reviewed conference papers**

187. Roy Fox, Michal Moshkovitz, and Naftali Tishby  
*Principled Option Learning in Markov Decision Processes*  
13th European Workshop on Reinforcement Learning (EWRL 2016)
186. Roy Fox, Naftali Tishby  
*Minimum-Information LQG Control — Part II: Retentive Controllers*  
55th IEEE Conference on Decision and Control (CDC 2016)
185. Roy Fox, Naftali Tishby  
*Minimum-Information LQG Control — Part I: Memoryless Controllers*  
55th IEEE Conference on Decision and Control (CDC 2016)
184. Roy Fox, Ari Pakman, Naftali Tishby  
*Taming the Noise in Reinforcement Learning via Soft Updates*  
32nd Conference on Uncertainty in Artificial Intelligence (UAI 2016).
183. Nadav Amir, Stas Tiomkin, Naftali Tishby  
*Past-Future Information Bottleneck for Linear Feedback Systems.*  
In proceedings of the 54 IEEE Conference on Decision & Control (Osaka) 2015
182. Naftali Tishby and Noga Zaslavsky,  
*Deep Learning and the Information Bottleneck principle*  
In Proceedings of ITW 2015
181. Nori Jacoby, Naftali Tishby, and Dmitri Tymoczko,  
*An Information Theoretic approach to Functional Harmony*  
Journal of New Music Research 44 (3), 219-244, 2015
179. Nori Jacoby, Peter E. Keller, Bruno H. Repp, Merav Ahissar and Naftali Tishby.  
*Lower bound on the accuracy of parameter estimation methods for linear sensorimotor synchronization models: quantifying the problem and suggesting a solution.* Timing & Time Perception 3 (1-2), 32-51, 2015
178. Nori Jacoby, Naftali Tishby, Bruno H. Repp, Merav Ahissar and Peter E. Keller.  
*Parameter estimation of linear sensorimotor synchronization models: phase correction, period correction and ensemble synchronization.*  
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176. Michal Moshkovich and Naftali Tishby,  
*Control your predictions,* In proceedings of ISIT 2014.
175. Pedro Ortega, Daniel Brown and Naftali Tishby,  
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174. Ron M. Hecht, Elad Noor, Gil Dobry, Yaniv Zigel, Aharon Bar-Hillel and Naftali Tishby.  
*Efficient Model Representation by Information Bottleneck Principle*,  
IEEE Trans. On Audio, Speech and Language Processing, 21:8,1755-1759
173. Sivan Sabato, Nati Srebro and Naftali Tishby,  
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171. Nori Jacoby, Dmitri Tymoczko and Naftali Tishby,  
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170. Jonathan Rubin, Nahum Ulinovsky, Israel Nelken and Naftali Tishby  
*The Representation of Prediction Errors in Auditory Cortex*.  
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168. Sivan Sabato and Naftali Tishby, *Multi-Instance Learning with Any Hypothesis Class*, Journal of Machine Learning Research, 13(Oct):2999-3039, 2012.  
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166. Roy Fox and Naftali Tishby,  
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29th International Conference on Machine Learning (ICML 2012)
165. Jonathan Rubin, Ohad Shamir and Naftali Tishby  
*Trading Information and Value in MDP's*  
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164. Ohad Shamir and Naftali Tishby,  
*Spectral Clustering on a Budget*  
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163. Naama Parush, Naftali Tishby and Hagai Bergman  
*Dopaminergic balance between reward maximization and policy complexity*  
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162. Simone Calderara, Uri Heinemann, Rita Cucchiara and Naftali Tishby,  
*Detecting Anomalies in People's Trajectories using Spectral Graph Analysis*,  
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161. Ron. M. Hecht, E. Noor, G. Dobry, Y. Zigel, A. Bar-Hillel and Naftali Tishby  
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*A PAC-Bayesian Analysis of Co-clustering and Beyond*  
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157. Ohad Shamir, Sivan Sabato and Naftali Tishby,  
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153. Ron M Hecht, Omer Hezroni, Amit Manna, Gil Dobry, Yaniv Zigel, and Naftali Tishby  
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*Homogeneous Multi-Instance Learning with Arbitrary Dependence*  
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151. Yevgeny Seldin and Naftali Tishby,  
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150. Amir Globerson, Eran Stark, Eilon Vaadia and Naftali Tishby  
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*Past-Future Information Bottleneck for Dynamical Systems.*  
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  148. Ohad Shamir and Naftali Tishby,  
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  136. Ron M Hecht and Naftali Tishby  
*Extraction of relevant Information using the Information Bottleneck Method for Speaker  
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