Paper decision: Accept (Oral)

[Making Neural Programming Architectures Generalize via Recursion](https://openreview.net/forum?id=BkbY4psgg)

[Jonathon Cai](https://openreview.net/profile?email=jonathon%40cs.berkeley.edu), [Richard Shin](https://openreview.net/profile?email=ricshin%40cs.berkeley.edu), [Dawn Song](https://openreview.net/profile?email=dawnsong%40cs.berkeley.edu)

‎06‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone13 Replies

ICLR 2017 Conference Oral

[End-to-end Optimized Image Compression](https://openreview.net/forum?id=rJxdQ3jeg)

[Johannes Ballé](https://openreview.net/profile?email=johannes.balle%40nyu.edu), [Valero Laparra](https://openreview.net/profile?email=valero.laparra%40uv.es), [Eero P. Simoncelli](https://openreview.net/profile?email=eero.simoncelli%40nyu.edu)

‎06‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone16 Replies

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[Optimization as a Model for Few-Shot Learning](https://openreview.net/forum?id=rJY0-Kcll)

[Sachin Ravi](https://openreview.net/profile?email=sachinr%40twitter.com), [Hugo Larochelle](https://openreview.net/profile?email=hugo%40twitter.com)

‎05‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone17 Replies

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[Learning End-to-End Goal-Oriented Dialog](https://openreview.net/forum?id=S1Bb3D5gg)

[Antoine Bordes](https://openreview.net/profile?email=abordes%40fb.com), [Y-Lan Boureau](https://openreview.net/profile?email=ylan%40fb.com), [Jason Weston](https://openreview.net/profile?email=jase%40fb.com)

‎05‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone17 Replies

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[Towards Principled Methods for Training Generative Adversarial Networks](https://openreview.net/forum?id=Hk4_qw5xe)

[Martin Arjovsky](https://openreview.net/profile?email=martinarjovsky%40gmail.com), [Leon Bottou](https://openreview.net/profile?email=leonb%40fb.com)

‎05‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone28 Replies

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[Reinforcement Learning with Unsupervised Auxiliary Tasks](https://openreview.net/forum?id=SJ6yPD5xg)

[Max Jaderberg](https://openreview.net/profile?email=jaderberg%40google.com), [Volodymyr Mnih](https://openreview.net/profile?email=vmnih%40google.com), [Wojciech Marian Czarnecki](https://openreview.net/profile?email=lejlot%40google.com), [Tom Schaul](https://openreview.net/profile?email=schaul%40google.com), [Joel Z Leibo](https://openreview.net/profile?email=jzl%40google.com), [David Silver](https://openreview.net/profile?email=davidsilver%40google.com), [Koray Kavukcuoglu](https://openreview.net/profile?email=korayk%40google.com)

‎05‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone23 Replies

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[Multi-Agent Cooperation and the Emergence of (Natural) Language](https://openreview.net/forum?id=Hk8N3Sclg)

[Angeliki Lazaridou](https://openreview.net/profile?email=angeliki.lazaridou%40unitn.it), [Alexander Peysakhovich](https://openreview.net/profile?email=alexpeys%40fb.com), [Marco Baroni](https://openreview.net/profile?email=marco.baroni%40unitn.it)

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[Understanding deep learning requires rethinking generalization](https://openreview.net/forum?id=Sy8gdB9xx)

[Chiyuan Zhang](https://openreview.net/profile?email=chiyuan%40mit.edu), [Samy Bengio](https://openreview.net/profile?email=bengio%40google.com), [Moritz Hardt](https://openreview.net/profile?email=mrtz%40google.com), [Benjamin Recht](https://openreview.net/profile?email=brecht%40berkeley.edu), [Oriol Vinyals](https://openreview.net/profile?email=vinyals%40google.com)

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[Neural Architecture Search with Reinforcement Learning](https://openreview.net/forum?id=r1Ue8Hcxg)

[Barret Zoph](https://openreview.net/profile?email=barretzoph%40google.com), [Quoc Le](https://openreview.net/profile?email=qvl%40google.com)

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[Q-Prop: Sample-Efficient Policy Gradient with An Off-Policy Critic](https://openreview.net/forum?id=SJ3rcZcxl)

[Shixiang Gu](https://openreview.net/profile?email=sg717%40cam.ac.uk), [Timothy Lillicrap](https://openreview.net/profile?email=countzero%40google.com), [Zoubin Ghahramani](https://openreview.net/profile?email=zoubin%40eng.cam.ac.uk), [Richard E. Turner](https://openreview.net/profile?email=ret26%40cam.ac.uk), [Sergey Levine](https://openreview.net/profile?email=svlevine%40eecs.berkeley.edu)

‎04‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone29 Replies

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[Learning to Act by Predicting the Future](https://openreview.net/forum?id=rJLS7qKel)

[Alexey Dosovitskiy](https://openreview.net/profile?email=adosovitskiy%40gmail.com), [Vladlen Koltun](https://openreview.net/profile?email=vkoltun%40gmail.com)

‎04‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone11 Replies

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[On Large-Batch Training for Deep Learning: Generalization Gap and Sharp Minima](https://openreview.net/forum?id=H1oyRlYgg)

[Nitish Shirish Keskar](https://openreview.net/profile?email=keskar.nitish%40u.northwestern.edu), [Dheevatsa Mudigere](https://openreview.net/profile?email=dheevatsa.mudigere%40intel.com), [Jorge Nocedal](https://openreview.net/profile?email=j-nocedal%40northwestern.edu), [Mikhail Smelyanskiy](https://openreview.net/profile?email=mikhail.smelyanskiy%40intel.com), [Ping Tak Peter Tang](https://openreview.net/profile?email=peter.tang%40intel.com)

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[Semi-supervised Knowledge Transfer for Deep Learning from Private Training Data](https://openreview.net/forum?id=HkwoSDPgg)

[Nicolas Papernot](https://openreview.net/profile?email=ngp5056%40cse.psu.edu), [Martín Abadi](https://openreview.net/profile?email=abadi%40google.com), [Úlfar Erlingsson](https://openreview.net/profile?email=ulfar%40google.com), [Ian Goodfellow](https://openreview.net/profile?email=ian%40openai.com), [Kunal Talwar](https://openreview.net/profile?email=kunal%40google.com)

‎02‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone22 Replies

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[Amortised MAP Inference for Image Super-resolution](https://openreview.net/forum?id=S1RP6GLle)

[Casper Kaae Sønderby](https://openreview.net/profile?email=casperkaae%40gmail.com), [Jose Caballero](https://openreview.net/profile?email=jcaballero%40twitter.com), [Lucas Theis](https://openreview.net/profile?email=ltheis%40twitter.com), [Wenzhe Shi](https://openreview.net/profile?email=wshi%40twitter.com), [Ferenc Huszár](https://openreview.net/profile?email=fhuszar%40twitter.com)

‎01‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone11 Replies

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[Learning Graphical State Transitions](https://openreview.net/forum?id=HJ0NvFzxl)

[Daniel D. Johnson](https://openreview.net/profile?email=ddjohnson%40hmc.edu)

‎30‎ ‎Oct‎ ‎2016ICLR 2017 conference submissionreaders: everyone19 Replies

ICLR 2017 Conference Oral

Paper decision: Accept (Poster)

[Paying More Attention to Attention: Improving the Performance of Convolutional Neural Networks via Attention Transfer](https://openreview.net/forum?id=Sks9_ajex)

[Sergey Zagoruyko](https://openreview.net/profile?email=sergey.zagoruyko%40enpc.fr), [Nikos Komodakis](https://openreview.net/profile?email=nikos.komodakis%40enpc.fr)

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[Learning Visual Servoing with Deep Features and Fitted Q-Iteration](https://openreview.net/forum?id=r1YNw6sxg)

[Alex X. Lee](https://openreview.net/profile?email=alexlee_gk%40cs.berkeley.edu), [Sergey Levine](https://openreview.net/profile?email=svlevine%40cs.berkeley.edu), [Pieter Abbeel](https://openreview.net/profile?email=pabbeel%40cs.berkeley.edu)

‎06‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone10 Replies

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[Stochastic Neural Networks for Hierarchical Reinforcement Learning](https://openreview.net/forum?id=B1oK8aoxe)

[Carlos Florensa](https://openreview.net/profile?email=florensa%40berkeley.edu), [Yan Duan](https://openreview.net/profile?email=rocky%40openai.com), [Pieter Abbeel](https://openreview.net/profile?email=pieter%40openai.com)

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[Nonparametric Neural Networks](https://openreview.net/forum?id=BJK3Xasel)

[George Philipp](https://openreview.net/profile?email=george.philipp%40email.de), [Jaime G. Carbonell](https://openreview.net/profile?email=jgc%40cs.cmu.edu)

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[Distributed Second-Order Optimization using Kronecker-Factored Approximations](https://openreview.net/forum?id=SkkTMpjex)

[Jimmy Ba](https://openreview.net/profile?email=jimmy%40psi.toronto.edu), [Roger Grosse](https://openreview.net/profile?email=rgrosse%40cs.toronto.edu), [James Martens](https://openreview.net/profile?email=jmartens%40cs.toronto.edu)

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[Pruning Filters for Efficient ConvNets](https://openreview.net/forum?id=rJqFGTslg)

[Hao Li](https://openreview.net/profile?email=haoli%40cs.umd.edu), [Asim Kadav](https://openreview.net/profile?email=asim%40nec-labs.com), [Igor Durdanovic](https://openreview.net/profile?email=igord%40nec-labs.com), [Hanan Samet](https://openreview.net/profile?email=hjs%40cs.umd.edu), [Hans Peter Graf](https://openreview.net/profile?email=hpg%40nec-labs.com)

‎06‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone12 Replies

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[Learning to Generate Samples from Noise through Infusion Training](https://openreview.net/forum?id=BJAFbaolg)

[Florian Bordes](https://openreview.net/profile?email=florian.bordes%40umontreal.ca), [Sina Honari](https://openreview.net/profile?email=sina.honari%40umontreal.ca), [Pascal Vincent](https://openreview.net/profile?email=pascal.vincent%40umontreal.ca)

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[FILTER SHAPING FOR CONVOLUTIONAL NEURAL NETWORKS](https://openreview.net/forum?id=S1TER2oll)

[Xingyi Li](https://openreview.net/profile?email=lixin%40eecs.oregonstate.edu), [Fuxin Li](https://openreview.net/profile?email=lif%40eecs.oregonstate.edu), [Xiaoli Fern](https://openreview.net/profile?email=xfern%40eecs.oregonstate.edu), [Raviv Raich](https://openreview.net/profile?email=raich%40eecs.oregonstate.edu)

‎06‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone16 Replies

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[Normalizing the Normalizers: Comparing and Extending Network Normalization Schemes](https://openreview.net/forum?id=rk5upnsxe)

[Mengye Ren](https://openreview.net/profile?email=mren%40cs.toronto.edu), [Renjie Liao](https://openreview.net/profile?email=rjliao%40cs.toronto.edu), [Raquel Urtasun](https://openreview.net/profile?email=urtasun%40cs.toronto.edu), [Fabian H. Sinz](https://openreview.net/profile?email=fabian.sinz%40epagoge.de), [Richard S. Zemel](https://openreview.net/profile?email=zemel%40cs.toronto.edu)

‎06‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone13 Replies

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[Multilayer Recurrent Network Models of Primate Retinal Ganglion Cell Responses](https://openreview.net/forum?id=HkEI22jeg)

[Eleanor Batty](https://openreview.net/profile?email=erb2180%40columbia.edu), [Josh Merel](https://openreview.net/profile?email=jsmerel%40gmail.com), [Nora Brackbill](https://openreview.net/profile?email=nbrack%40stanford.edu), [Alexander Heitman](https://openreview.net/profile?email=alexkenheitmen%40gmail.com), [Alexander Sher](https://openreview.net/profile?email=sashake3%40uscs.edu), [Alan Litke](https://openreview.net/profile?email=Alan.Litke%40cern.ch), [E.J. Chichilnisky](https://openreview.net/profile?email=ej%40stanford.edu), [Liam Paninski](https://openreview.net/profile?email=liam%40stat.columbia.edu)

‎06‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone14 Replies

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[Improving Generative Adversarial Networks with Denoising Feature Matching](https://openreview.net/forum?id=S1X7nhsxl)

[David Warde-Farley](https://openreview.net/profile?email=d.warde.farley%40gmail.com), [Yoshua Bengio](https://openreview.net/profile?email=yoshua.umontreal%40gmail.com)

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[Efficient Vector Representation for Documents through Corruption](https://openreview.net/forum?id=B1Igu2ogg)

[Minmin Chen](https://openreview.net/profile?email=m.chen%40criteo.com)

‎06‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone20 Replies

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[Learning Invariant Feature Spaces to Transfer Skills with Reinforcement Learning](https://openreview.net/forum?id=Hyq4yhile)

[Abhishek Gupta](https://openreview.net/profile?email=abhigupta%40berkeley.edu), [Coline Devin](https://openreview.net/profile?email=coline%40berkeley.edu), [YuXuan Liu](https://openreview.net/profile?email=yuxuanliu%40berkeley.edu), [Pieter Abbeel](https://openreview.net/profile?email=pabbeel%40cs.berkeley.edu), [Sergey Levine](https://openreview.net/profile?email=svlevine%40eecs.berkeley.edu)

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[Transfer of View-manifold Learning to Similarity Perception of Novel Objects](https://openreview.net/forum?id=B1gtu5ilg)

[Xingyu Lin](https://openreview.net/profile?email=sean.linxingyu%40pku.edu.cn), [Hao Wang](https://openreview.net/profile?email=hao.wang%40pku.edu.cn), [Zhihao Li](https://openreview.net/profile?email=zhihaol%40andrew.cmu.edu), [Yimeng Zhang](https://openreview.net/profile?email=yimengzh%40andrew.cmu.edu), [Alan Yuille](https://openreview.net/profile?email=alan.yuille%40jhu.edu), [Tai Sing Lee](https://openreview.net/profile?email=tai%40cnbc.cmu.edu)

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[What does it take to generate natural textures?](https://openreview.net/forum?id=BJhZeLsxx)

[Ivan Ustyuzhaninov \*](https://openreview.net/profile?email=ivan.ustyuzhaninov%40bethgelab.org), [Wieland Brendel \*](https://openreview.net/profile?email=wieland.brendel%40bethgelab.org), [Leon Gatys](https://openreview.net/profile?email=leon.gatys%40bethgelab.org), [Matthias Bethge](https://openreview.net/profile?email=matthias.bethge%40bethgelab.org)

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[Emergence of foveal image sampling from learning to attend in visual scenes](https://openreview.net/forum?id=SJJKxrsgl)

[Brian Cheung](https://openreview.net/profile?email=bcheung%40berkeley.edu), [Eric Weiss](https://openreview.net/profile?email=eaweiss%40berkeley.edu), [Bruno Olshausen](https://openreview.net/profile?email=baolshausen%40berkeley.edu)

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[An Information-Theoretic Framework for Fast and Robust Unsupervised Learning via Neural Population Infomax](https://openreview.net/forum?id=SkYbF1slg)

[Wentao Huang](https://openreview.net/profile?email=whuang21%40jhmi.edu), [Kechen Zhang](https://openreview.net/profile?email=kzhang4%40jhmi.edu)

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[PixelCNN++: Improving the PixelCNN with Discretized Logistic Mixture Likelihood and Other Modifications](https://openreview.net/forum?id=BJrFC6ceg)

[Tim Salimans](https://openreview.net/profile?email=tim%40openai.com), [Andrej Karpathy](https://openreview.net/profile?email=karpathy%40openai.com), [Xi Chen](https://openreview.net/profile?email=peter%40openai.com), [Diederik P. Kingma](https://openreview.net/profile?email=dpkingma%40openai.com)

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[Mode Regularized Generative Adversarial Networks](https://openreview.net/forum?id=HJKkY35le)

[Tong Che](https://openreview.net/profile?email=tong.che%40umontreal.ca), [Yanran Li](https://openreview.net/profile?email=csyli%40comp.polyu.edu.hk), [Athul Jacob](https://openreview.net/profile?email=ap.jacob%40umontreal.ca), [Yoshua Bengio](https://openreview.net/profile?email=yoshua.bengio%40umontreal.ca), [Wenjie Li](https://openreview.net/profile?email=cswjli%40comp.polyu.edu.hk)

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[Highway and Residual Networks learn Unrolled Iterative Estimation](https://openreview.net/forum?id=Skn9Shcxe)

[Klaus Greff](https://openreview.net/profile?email=klaus%40idsia.ch), [Rupesh K. Srivastava](https://openreview.net/profile?email=rupesh%40idsia.ch), [Jürgen Schmidhuber](https://openreview.net/profile?email=juergen%40idsia.ch)

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[Improving Neural Language Models with a Continuous Cache](https://openreview.net/forum?id=B184E5qee)

[Edouard Grave](https://openreview.net/profile?email=egrave%40fb.com), [Armand Joulin](https://openreview.net/profile?email=ajoulin%40fb.com), [Nicolas Usunier](https://openreview.net/profile?email=usunier%40fb.com)

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[Unsupervised Cross-Domain Image Generation](https://openreview.net/forum?id=Sk2Im59ex)

[Yaniv Taigman](https://openreview.net/profile?email=yaniv%40fb.com), [Adam Polyak](https://openreview.net/profile?email=adampolyak%40fb.com), [Lior Wolf](https://openreview.net/profile?email=wolf%40fb.com)

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[Third Person Imitation Learning](https://openreview.net/forum?id=B16dGcqlx)

[Bradly C Stadie](https://openreview.net/profile?email=bstadie%40openai.com), [Pieter Abbeel](https://openreview.net/profile?email=pieter%40openai.com), [Ilya Sutskever](https://openreview.net/profile?email=ilyasu%40openai.com)

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[Variational Recurrent Adversarial Deep Domain Adaptation](https://openreview.net/forum?id=rk9eAFcxg)

[Sanjay Purushotham](https://openreview.net/profile?email=spurusho%40usc.edu), [Wilka Carvalho](https://openreview.net/profile?email=wcarvalh%40usc.edu), [Tanachat Nilanon](https://openreview.net/profile?email=nilanon%40usc.edu), [Yan Liu](https://openreview.net/profile?email=yanliu.cs%40usc.edu)

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[Program Synthesis for Character Level Language Modeling](https://openreview.net/forum?id=ry_sjFqgx)

[Pavol Bielik](https://openreview.net/profile?email=pavol.bielik%40inf.ethz.ch), [Veselin Raychev](https://openreview.net/profile?email=veselin.raychev%40inf.ethz.ch), [Martin Vechev](https://openreview.net/profile?email=martin.vechev%40inf.ethz.ch)

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[Episodic Exploration for Deep Deterministic Policies for StarCraft Micromanagement](https://openreview.net/forum?id=r1LXit5ee)

[Nicolas Usunier](https://openreview.net/profile?email=usunier%40fb.com), [Gabriel Synnaeve](https://openreview.net/profile?email=gab%40fb.com), [Zeming Lin](https://openreview.net/profile?email=zlin%40fb.com), [Soumith Chintala](https://openreview.net/profile?email=soumith%40fb.com)

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[Soft Weight-Sharing for Neural Network Compression](https://openreview.net/forum?id=HJGwcKclx)

[Karen Ullrich](https://openreview.net/profile?email=karen.ullrich%40uva.nl), [Edward Meeds](https://openreview.net/profile?email=tmeeds%40gmail.com), [Max Welling](https://openreview.net/profile?email=welling.max%40gmail.com)

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[Neural Program Lattices](https://openreview.net/forum?id=HJjiFK5gx)

[Chengtao Li](https://openreview.net/profile?email=ctli%40mit.edu), [Daniel Tarlow](https://openreview.net/profile?email=dtarlow%40microsoft.com), [Alexander L. Gaunt](https://openreview.net/profile?email=algaunt%40microsoft.com), [Marc Brockschmidt](https://openreview.net/profile?email=mabrocks%40microsoft.com), [Nate Kushman](https://openreview.net/profile?email=nkushman%40microsoft.com)

‎05‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone17 Replies

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[Tracking the World State with Recurrent Entity Networks](https://openreview.net/forum?id=rJTKKKqeg)

[Mikael Henaff](https://openreview.net/profile?email=mbh305%40nyu.edu), [Jason Weston](https://openreview.net/profile?email=jase%40fb.com), [Arthur Szlam](https://openreview.net/profile?email=azslam%40fb.com), [Antoine Bordes](https://openreview.net/profile?email=abordes%40fb.com), [Yann LeCun](https://openreview.net/profile?email=yann%40fb.com)

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[Steerable CNNs](https://openreview.net/forum?id=rJQKYt5ll)

[Taco S. Cohen](https://openreview.net/profile?email=taco.cohen%40gmail.com), [Max Welling](https://openreview.net/profile?email=m.welling%40uva.nl)

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[Learning to Query, Reason, and Answer Questions On Ambiguous Texts](https://openreview.net/forum?id=rJ0-tY5xe)

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[Kirthevasan Kandasamy](https://openreview.net/profile?email=kandasamy%40cmu.edu), [Yoram Bachrach](https://openreview.net/profile?email=yorambac%40gmail.com), [Ryota Tomioka](https://openreview.net/profile?email=ryoto%40microsoft.com), [Daniel Tarlow](https://openreview.net/profile?email=dtarlow%40microsoft.com), [David Carter](https://openreview.net/profile?email=dacart%40microsoft.com)

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[Support Regularized Sparse Coding and Its Fast Encoder](https://openreview.net/forum?id=HkljfjFee)

[Yingzhen Yang](https://openreview.net/profile?email=superyyzg%40gmail.com), [Jiahui Yu](https://openreview.net/profile?email=jyu79%40illinois.edu), [Pushmeet Kohli](https://openreview.net/profile?email=pkohli%40microsoft.com), [Jianchao Yang](https://openreview.net/profile?email=jianchao.yang%40snapchat.com), [Thomas S. Huang](https://openreview.net/profile?email=t-huang1%40illinois.edu)

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[Tying Word Vectors and Word Classifiers: A Loss Framework for Language Modeling](https://openreview.net/forum?id=r1aPbsFle)

[Hakan Inan](https://openreview.net/profile?email=inanh%40stanford.edu), [Khashayar Khosravi](https://openreview.net/profile?email=khosravi%40stanford.edu), [Richard Socher](https://openreview.net/profile?email=rsocher%40salesforce.com)

‎04‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone16 Replies

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[Towards Deep Interpretability (MUS-ROVER II): Learning Hierarchical Representations of Tonal Music](https://openreview.net/forum?id=ryhqQFKgl)

[Haizi Yu](https://openreview.net/profile?email=haiziyu7%40illinois.edu), [Lav R. Varshney](https://openreview.net/profile?email=varshney%40illinois.edu)

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[Discrete Variational Autoencoders](https://openreview.net/forum?id=ryMxXPFex)

[Jason Tyler Rolfe](https://openreview.net/profile?email=jrolfe%40dwavesys.com)

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[Do Deep Convolutional Nets Really Need to be Deep and Convolutional?](https://openreview.net/forum?id=r10FA8Kxg)

[Gregor Urban](https://openreview.net/profile?email=gurban%40uci.edu), [Krzysztof J. Geras](https://openreview.net/profile?email=k.j.geras%40sms.ed.ac.uk), [Samira Ebrahimi Kahou](https://openreview.net/profile?email=samira.ebrahimi-kahou%40polymtl.ca), [Ozlem Aslan](https://openreview.net/profile?email=ozlem%40cs.ualberta.ca), [Shengjie Wang](https://openreview.net/profile?email=wangsj%40cs.washington.edu), [Abdelrahman Mohamed](https://openreview.net/profile?email=asamir%40microsoft.com), [Matthai Philipose](https://openreview.net/profile?email=matthaip%40microsoft.com), [Matt Richardson](https://openreview.net/profile?email=mattri%40microsoft.com), [Rich Caruana](https://openreview.net/profile?email=rcaruana%40microsoft.com)

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[Geometry of Polysemy](https://openreview.net/forum?id=HJpfMIFll)

[Jiaqi Mu](https://openreview.net/profile?email=jiaqimu2%40illinois.edu), [Suma Bhat](https://openreview.net/profile?email=spbhat2%40illinois.edu), [Pramod Viswanath](https://openreview.net/profile?email=pramodv%40illinois.edu)

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[Learning Invariant Representations Of Planar Curves](https://openreview.net/forum?id=BymIbLKgl)

[Gautam Pai](https://openreview.net/profile?email=paigautam%40cs.technion.ac.il), [Aaron Wetzler](https://openreview.net/profile?email=twerd%40cs.technion.ac.il), [Ron Kimmel](https://openreview.net/profile?email=ron%40cs.technion.ac.il)

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[Reasoning with Memory Augmented Neural Networks for Language Comprehension](https://openreview.net/forum?id=Hk8TGSKlg)

[Tsendsuren Munkhdalai](https://openreview.net/profile?email=tsendsuren.munkhdalai%40umassmed.edu), [Hong Yu](https://openreview.net/profile?email=hong.yu%40umassmed.edu)

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[Learning Recurrent Representations for Hierarchical Behavior Modeling](https://openreview.net/forum?id=BkLhzHtlg)

[Eyrun Eyjolfsdottir](https://openreview.net/profile?email=eeyjolfs%40caltech.edu), [Kristin Branson](https://openreview.net/profile?email=bransonk%40janelia.hhmi.org), [Yisong Yue](https://openreview.net/profile?email=yyue%40caltech.edu), [Pietro Perona](https://openreview.net/profile?email=perona%40caltech.edu)

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[Adversarial Machine Learning at Scale](https://openreview.net/forum?id=BJm4T4Kgx)

[Alexey Kurakin](https://openreview.net/profile?email=kurakin%40google.com), [Ian J. Goodfellow](https://openreview.net/profile?email=ian%40openai.com), [Samy Bengio](https://openreview.net/profile?email=bengio%40google.com)

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[Predicting Medications from Diagnostic Codes with Recurrent Neural Networks](https://openreview.net/forum?id=rJEgeXFex)

[Jacek M. Bajor](https://openreview.net/profile?email=jacek.m.bajor%40vanderbilt.edu), [Thomas A. Lasko](https://openreview.net/profile?email=tom.lasko%40vanderbilt.edu)

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[Recurrent Mixture Density Network for Spatiotemporal Visual Attention](https://openreview.net/forum?id=SJRpRfKxx)

[Loris Bazzani](https://openreview.net/profile?email=loris.bazzani%40gmail.com), [Hugo Larochelle](https://openreview.net/profile?email=hugo.larochelle%40usherbrooke.ca), [Lorenzo Torresani](https://openreview.net/profile?email=lt%40dartmouth.edu)

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[Inductive Bias of Deep Convolutional Networks through Pooling Geometry](https://openreview.net/forum?id=BkVsEMYel)

[Nadav Cohen](https://openreview.net/profile?email=cohennadav%40cs.huji.ac.il), [Amnon Shashua](https://openreview.net/profile?email=shashua%40cs.huji.ac.il)

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[Efficient Representation of Low-Dimensional Manifolds using Deep Networks](https://openreview.net/forum?id=BJ3filKll)

[Ronen Basri](https://openreview.net/profile?email=ronen.basri%40weizmann.ac.il), [David W. Jacobs](https://openreview.net/profile?email=djacobs%40cs.umd.edu)

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[Semi-Supervised Classification with Graph Convolutional Networks](https://openreview.net/forum?id=SJU4ayYgl)

[Thomas N. Kipf](https://openreview.net/profile?email=T.N.Kipf%40uva.nl), [Max Welling](https://openreview.net/profile?email=M.Welling%40uva.nl)

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[Sparsely-Connected Neural Networks: Towards Efficient VLSI Implementation of Deep Neural Networks](https://openreview.net/forum?id=r1fYuytex)

[Arash Ardakani](https://openreview.net/profile?email=arash.ardakani%40mail.mcgill.ca), [Carlo Condo](https://openreview.net/profile?email=carlo.condo%40mail.mcgill.ca), [Warren J. Gross](https://openreview.net/profile?email=warren.gross%40mcgill.ca)

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[Adversarial Training Methods for Semi-Supervised Text Classification](https://openreview.net/forum?id=r1X3g2_xl)

[Takeru Miyato](https://openreview.net/profile?email=takeru.miyato%40gmail.com), [Andrew M. Dai](https://openreview.net/profile?email=adai%40google.com), [Ian Goodfellow](https://openreview.net/profile?email=ian%40openai.com)

‎03‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone11 Replies

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[Fine-grained Analysis of Sentence Embeddings Using Auxiliary Prediction Tasks](https://openreview.net/forum?id=BJh6Ztuxl)

[Yossi Adi](https://openreview.net/profile?email=yossiadidrum%40gmail.com), [Einat Kermany](https://openreview.net/profile?email=einatke%40il.ibm.com), [Yonatan Belinkov](https://openreview.net/profile?email=belinkov%40mit.edu), [Ofer Lavi](https://openreview.net/profile?email=oferl%40il.ibm.com), [Yoav Goldberg](https://openreview.net/profile?email=yoav.goldberg%40gmail.com)

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[Pointer Sentinel Mixture Models](https://openreview.net/forum?id=Byj72udxe)

[Stephen Merity](https://openreview.net/profile?email=smerity%40salesforce.com), [Caiming Xiong](https://openreview.net/profile?email=cxiong%40salesforce.com), [James Bradbury](https://openreview.net/profile?email=james.bradbury%40salesforce.com), [Richard Socher](https://openreview.net/profile?email=rsocher%40salesforce.com)

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[An Actor-Critic Algorithm for Sequence Prediction](https://openreview.net/forum?id=SJDaqqveg)

[Dzmitry Bahdanau](https://openreview.net/profile?email=dimabgv%40gmail.com), [Philemon Brakel](https://openreview.net/profile?email=pbpop3%40gmail.com), [Kelvin Xu](https://openreview.net/profile?email=iamkelvinxu%40gmail.com), [Anirudh Goyal](https://openreview.net/profile?email=anirudhgoyal9119%40gmail.com), [Ryan Lowe](https://openreview.net/profile?email=lowe.ryan.t%40gmail.com), [Joelle Pineau](https://openreview.net/profile?email=jpineau%40cs.mcgill.ca), [Aaron Courville](https://openreview.net/profile?email=aaron.courville%40gmail.com), [Yoshua Bengio](https://openreview.net/profile?email=yoshua.bengio%40gmail.com)

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[Understanding Trainable Sparse Coding with Matrix Factorization](https://openreview.net/forum?id=SJGPL9Dex)

[Thomas Moreau](https://openreview.net/profile?email=thomas.moreau%40cmla.ens-cachan.fr), [Joan Bruna](https://openreview.net/profile?email=joan.bruna%40berkeley.edu)

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[Tighter bounds lead to improved classifiers](https://openreview.net/forum?id=HyAbMKwxe)

[Nicolas Le Roux](https://openreview.net/profile?email=nicolas%40le-roux.name)

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[HolStep: A Machine Learning Dataset for Higher-order Logic Theorem Proving](https://openreview.net/forum?id=ryuxYmvel)

[Cezary Kaliszyk](https://openreview.net/profile?email=cezary.kaliszyk%40uibk.ac.at), [François Chollet](https://openreview.net/profile?email=fchollet%40google.com), [Christian Szegedy](https://openreview.net/profile?email=szegedy%40google.com)

‎02‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone11 Replies

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[Why Deep Neural Networks for Function Approximation?](https://openreview.net/forum?id=SkpSlKIel)

[Shiyu Liang](https://openreview.net/profile?email=sliang26%40illinois.edu), [R. Srikant](https://openreview.net/profile?email=rsrikant%40illinois.edu)

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[Hierarchical Multiscale Recurrent Neural Networks](https://openreview.net/forum?id=S1di0sfgl)

[Junyoung Chung](https://openreview.net/profile?email=junyoung.chung%40umontreal.ca), [Sungjin Ahn](https://openreview.net/profile?email=sungjin.ahn%40umontreal.ca), [Yoshua Bengio](https://openreview.net/profile?email=yoshua.bengio%40umontreal.ca)

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[Neural Photo Editing with Introspective Adversarial Networks](https://openreview.net/forum?id=HkNKFiGex)

[Andrew Brock](https://openreview.net/profile?email=ajb5%40hw.ac.uk), [Theodore Lim](https://openreview.net/profile?email=t.lim%40hw.ac.uk), [J.M. Ritchie](https://openreview.net/profile?email=j.m.ritchie%40hw.ac.uk), [Nick Weston](https://openreview.net/profile?email=Nick.Weston%40renishaw.com)

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[Dropout with Expectation-linear Regularization](https://openreview.net/forum?id=rkGabzZgl)

[Xuezhe Ma](https://openreview.net/profile?email=xuezhem%40cs.cmu.edu), [Yingkai Gao](https://openreview.net/profile?email=yingkaig%40cs.cmu.edu), [Zhiting Hu](https://openreview.net/profile?email=zhitinghu%40cs.cmu.edu), [Yaoliang Yu](https://openreview.net/profile?email=yaoliang%40cs.cmu.edu), [Yuntian Deng](https://openreview.net/profile?email=dengyuntian%40gmail.com), [Eduard Hovy](https://openreview.net/profile?email=hovy%40cmu.edu)

‎29‎ ‎Oct‎ ‎2016ICLR 2017 conference submissionreaders: everyone10 Replies

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[HyperNetworks](https://openreview.net/forum?id=rkpACe1lx)

[David Ha](https://openreview.net/profile?email=hadavid%40google.com), [Andrew M. Dai](https://openreview.net/profile?email=adai%40google.com), [Quoc V. Le](https://openreview.net/profile?email=qvl%40google.com)

‎27‎ ‎Oct‎ ‎2016ICLR 2017 conference submissionreaders: everyone14 Replies

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[A Learned Representation For Artistic Style](https://openreview.net/forum?id=BJO-BuT1g)

[Vincent Dumoulin](https://openreview.net/profile?email=vi.dumoulin%40gmail.com), [Jonathon Shlens](https://openreview.net/profile?email=shlens%40google.com), [Manjunath Kudlur](https://openreview.net/profile?email=keveman%40google.com)

‎26‎ ‎Oct‎ ‎2016ICLR 2017 conference submissionreaders: everyone22 Replies

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[Hadamard Product for Low-rank Bilinear Pooling](https://openreview.net/forum?id=r1rhWnZkg)

[Jin-Hwa Kim](https://openreview.net/profile?email=jnhwkim%40snu.ac.kr), [Kyoung-Woon On](https://openreview.net/profile?email=kwon%40bi.snu.ac.kr), [Woosang Lim](https://openreview.net/profile?email=quasar17%40kaist.ac.kr), [Jeonghee Kim](https://openreview.net/profile?email=jeonghee.kim%40navercorp.com), [Jung-Woo Ha](https://openreview.net/profile?email=jungwoo.ha%40navercorp.com), [Byoung-Tak Zhang](https://openreview.net/profile?email=btzhang%40bi.snu.ac.kr)

‎17‎ ‎Oct‎ ‎2016ICLR 2017 conference submissionreaders: everyone25 Replies

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Paper decision: Invite to Workshop Track

[Towards an automatic Turing test: Learning to evaluate dialogue responses](https://openreview.net/forum?id=HJ5PIaseg)

[Ryan Lowe](https://openreview.net/profile?email=rlowe1%40cs.mcgill.ca), [Michael Noseworthy](https://openreview.net/profile?email=michael.noseworthy%40mail.mcgill.ca), [Iulian V. Serban](https://openreview.net/profile?email=julianserban%40gmail.com), [Nicolas Angelard-Gontier](https://openreview.net/profile?email=nicolas.angelard-gontier%40mail.mcgill.ca), [Yoshua Bengio](https://openreview.net/profile?email=yoshua.umontreal%40gmail.com), [Joelle Pineau](https://openreview.net/profile?email=jpineau%40cs.mcgill.ca)

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[Gated Multimodal Units for Information Fusion](https://openreview.net/forum?id=Hy-2G6ile)

[John Arevalo](https://openreview.net/profile?email=jearevaloo%40unal.edu.co), [Thamar Solorio](https://openreview.net/profile?email=solorio%40cs.uh.edu), [Manuel Montes-y-Gómez](https://openreview.net/profile?email=smmontesg%40inaoep.mx), [Fabio A. González](https://openreview.net/profile?email=fagonzalezo%40unal.edu.co)

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[Unsupervised Perceptual Rewards for Imitation Learning](https://openreview.net/forum?id=Bkul3t9ee)

[Pierre Sermanet](https://openreview.net/profile?email=sermanet%40google.com), [Kelvin Xu](https://openreview.net/profile?email=kelvinxx%40google.com), [Sergey Levine](https://openreview.net/profile?email=slevine%40google.com)

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[A Theoretical Framework for Robustness of (Deep) Classifiers against Adversarial Samples](https://openreview.net/forum?id=SywUHFcge)

[Beilun Wang](https://openreview.net/profile?email=bw4mw%40virginia.edu), [Ji Gao](https://openreview.net/profile?email=jg6yd%40virginia.edu), [Yanjun Qi](https://openreview.net/profile?email=yanjun%40virginia.edu)

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[Lifelong Perceptual Programming By Example](https://openreview.net/forum?id=HJStZKqel)

[Alexander L. Gaunt](https://openreview.net/profile?email=t-algaun%40microsoft.com), [Marc Brockschmidt](https://openreview.net/profile?email=mabrocks%40microsoft.com), [Nate Kushman](https://openreview.net/profile?email=nkushman%40microsoft.com), [Daniel Tarlow](https://openreview.net/profile?email=dtarlow%40microsoft.com)

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[Automated Generation of Multilingual Clusters for the Evaluation of Distributed Representations](https://openreview.net/forum?id=SkuqA_cgx)

[Philip Blair](https://openreview.net/profile?email=pblair%40basistech.com), [Yuval Merhav](https://openreview.net/profile?email=yuval%40basistech.com), [Joel Barry](https://openreview.net/profile?email=joelb%40basistech.com)

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[Shift Aggregate Extract Networks](https://openreview.net/forum?id=S1Y0td9ee)

[Francesco Orsini](https://openreview.net/profile?email=francesco.orsini%40kuleuven.be), [Daniele Baracchi](https://openreview.net/profile?email=daniele.baracchi%40unifi.it), [Paolo Frasconi](https://openreview.net/profile?email=paolo.frasconi%40unifi.it)

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[Programming With a Differentiable Forth Interpreter](https://openreview.net/forum?id=HkJq1Ocxl)

[Matko Bošnjak](https://openreview.net/profile?email=m.bosnjak%40cs.ucl.ac.uk), [Tim Rocktäschel](https://openreview.net/profile?email=t.rocktaschel%40cs.ucl.ac.uk), [Jason Naradowsky](https://openreview.net/profile?email=j.narad%40cs.ucl.ac.uk), [Sebastian Riedel](https://openreview.net/profile?email=s.riedel%40cs.ucl.ac.uk)

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[Bit-Pragmatic Deep Neural Network Computing](https://openreview.net/forum?id=By14kuqxx)

[Jorge Albericio](https://openreview.net/profile?email=jorge.albericio%40gmail.com), [Patrick Judd](https://openreview.net/profile?email=judd%40ece.utoronto.ca), [Alberto Delmas](https://openreview.net/profile?email=delmas1%40ece.utoronto.ca), [Sayeh Sharify](https://openreview.net/profile?email=sayeh%40ece.utoronto.ca), [Andreas Moshovos](https://openreview.net/profile?email=moshovos%40ece.utoronto.ca)

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[Recursive Regression with Neural Networks: Approximating the HJI PDE Solution](https://openreview.net/forum?id=HJTXaw9gx)

[Vicenç Rubies Royo](https://openreview.net/profile?email=vrubies%40berkeley.edu), [Claire Tomlin](https://openreview.net/profile?email=tomlin%40berkeley.edu)

‎05‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone8 Replies

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[Nonparametrically Learning Activation Functions in Deep Neural Nets](https://openreview.net/forum?id=H1wgawqxl)

[Carson Eisenach](https://openreview.net/profile?email=eisenach%40princeton.edu), [Zhaoran Wang](https://openreview.net/profile?email=zhaoran%40princeton.edu), [Han Liu](https://openreview.net/profile?email=hanliu%40princeton.edu)

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[Generalizable Features From Unsupervised Learning](https://openreview.net/forum?id=rJ6DhP5xe)

[Mehdi Mirza](https://openreview.net/profile?email=memirzamo%40gmail.com), [Aaron Courville](https://openreview.net/profile?email=aaron.courville%40gmail.com), [Yoshua Bengio](https://openreview.net/profile?email=yoshua.umontreal%40gmail.com)

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[Deep Learning with Sets and Point Clouds](https://openreview.net/forum?id=HJF3iD9xe)

[Siamak Ravanbakhsh](https://openreview.net/profile?email=mravanba%40cs.cmu.edu), [Jeff Schneider](https://openreview.net/profile?email=bapoczos%40cs.cmu.edu), [Barnabas Poczos](https://openreview.net/profile?email=jeff.schneider%40cs.cmu.edu)

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[Exponential Machines](https://openreview.net/forum?id=rkYmiD9lg)

[Alexander Novikov](https://openreview.net/profile?email=novikov%40bayesgroup.ru), [Mikhail Trofimov](https://openreview.net/profile?email=mikhail.trofimov%40phystech.edu), [Ivan Oseledets](https://openreview.net/profile?email=i.oseledets%40skoltech.ru)

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[Song From PI: A Musically Plausible Network for Pop Music Generation](https://openreview.net/forum?id=ByBwSPcex)

[Hang Chu](https://openreview.net/profile?email=chuhang1122%40cs.toronto.edu), [Raquel Urtasun](https://openreview.net/profile?email=urtasun%40cs.toronto.edu), [Sanja Fidler](https://openreview.net/profile?email=fidler%40cs.toronto.edu)

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[Learning to Discover Sparse Graphical Models](https://openreview.net/forum?id=HJOZBvcel)

[Eugene Belilovsky](https://openreview.net/profile?email=eugene.belilovsky%40inria.fr), [Kyle Kastner](https://openreview.net/profile?email=kyle.kastner%40umontreal.ca), [Gael Varoquaux](https://openreview.net/profile?email=gael.varoquaux%40inria.fr), [Matthew B. Blaschko](https://openreview.net/profile?email=matthew.blaschko%40esat.kuleuven.be)

‎05‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone8 Replies

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[Learning to Draw Samples: With Application to Amortized MLE for Generative Adversarial Learning](https://openreview.net/forum?id=H1oRQDqlg)

[Dilin Wang](https://openreview.net/profile?email=dilin.wang.gr%40dartmouth.edu), [Qiang Liu](https://openreview.net/profile?email=qiang.liu%40dartmouth.edu)

‎05‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone9 Replies

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[Recurrent Normalization Propagation](https://openreview.net/forum?id=r1GKzP5xx)

[César Laurent](https://openreview.net/profile?email=cesar.laurent%40umontreal.ca), [Nicolas Ballas](https://openreview.net/profile?email=nicolas.ballas%40umontreal.ca), [Pascal Vincent](https://openreview.net/profile?email=pascal.vincent%40umontreal.ca)

‎05‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone13 Replies

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[Generating Interpretable Images with Controllable Structure](https://openreview.net/forum?id=Hyvw0L9el)

[Scott Reed](https://openreview.net/profile?email=reedscot%40google.com), [Aäron van den Oord](https://openreview.net/profile?email=avdnoord%40google.com), [Nal Kalchbrenner](https://openreview.net/profile?email=nalk%40google.com), [Victor Bapst](https://openreview.net/profile?email=vbapst%40google.com), [Matt Botvinick](https://openreview.net/profile?email=botvinick%40google.com), [Nando de Freitas](https://openreview.net/profile?email=nandodefreitas%40google.com)

‎05‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone11 Replies

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[Fast Chirplet Transform to Enhance CNN Machine Listening - Validation on Animal calls and Speech](https://openreview.net/forum?id=H1Fk2Iqex)

[Herve Glotin](https://openreview.net/profile?email=glotin%40univ-tln.fr), [Julien Ricard](https://openreview.net/profile?email=julien.ricard%40gmail.com), [Randall Balestriero](https://openreview.net/profile?email=randallbalestriero%40gmail.com)

‎05‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone16 Replies

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[Symmetry-Breaking Convergence Analysis of Certain Two-layered Neural Networks with ReLU nonlinearity](https://openreview.net/forum?id=Hk85q85ee)

[Yuandong Tian](https://openreview.net/profile?email=yuandong%40fb.com)

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[Efficient Softmax Approximation for GPUs](https://openreview.net/forum?id=rkmDI85ge)

[Édouard Grave](https://openreview.net/profile?email=egrave%40fb.com), [Armand Joulin](https://openreview.net/profile?email=ajoulin%40fb.com), [Moustapha Cissé](https://openreview.net/profile?email=moustaphacisse%40fb.com), [David Grangier](https://openreview.net/profile?email=grangier%40fb.com), [Hervé Jégou](https://openreview.net/profile?email=rvj%40fb.com)

‎05‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone14 Replies

ICLR 2017 Conference Invite to Workshop

[Dataset Augmentation in Feature Space](https://openreview.net/forum?id=HJ9rLLcxg)

[Terrance DeVries](https://openreview.net/profile?email=terrance%40uoguelph.ca), [Graham W. Taylor](https://openreview.net/profile?email=gwtaylor%40uoguelph.ca)

‎05‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone13 Replies

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[Online Structure Learning for Sum-Product Networks with Gaussian Leaves](https://openreview.net/forum?id=S1QefL5ge)

[Wilson Hsu](https://openreview.net/profile?email=wwhsu%40uwaterloo.ca), [Agastya Kalra](https://openreview.net/profile?email=a6kalra%40uwaterloo.ca), [Pascal Poupart](https://openreview.net/profile?email=ppoupart%40uwaterloo.ca)

‎05‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone20 Replies

ICLR 2017 Conference Invite to Workshop

[Neural Taylor Approximations: Convergence and Exploration in Rectifier Networks](https://openreview.net/forum?id=HyWG0H5ge)

[David Balduzzi](https://openreview.net/profile?email=david.balduzzi%40vuw.ac.nz), [Brian McWilliams](https://openreview.net/profile?email=brian%40disneyresearch.com), [Tony Butler-Yeoman](https://openreview.net/profile?email=butlertony%40ecs.vuw.ac.nz)

‎05‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone10 Replies

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[Multiplicative LSTM for sequence modelling](https://openreview.net/forum?id=Hk4kQHceg)

[Ben Krause](https://openreview.net/profile?email=ben.krause%40ed.ac.uk), [Iain Murray](https://openreview.net/profile?email=i.murray%40ed.ac.uk), [Steve Renals](https://openreview.net/profile?email=s.renals%40ed.ac.uk), [Liang Lu](https://openreview.net/profile?email=llu%40ttic.edu)

‎05‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone15 Replies

ICLR 2017 Conference Invite to Workshop

[Neural Functional Programming](https://openreview.net/forum?id=HkpLeH9el)

[John K. Feser](https://openreview.net/profile?email=feser%40csail.mit.edu), [Marc Brockschmidt](https://openreview.net/profile?email=mabrocks%40microsoft.com), [Alexander L. Gaunt](https://openreview.net/profile?email=t-algaun%40microsoft.com), [Daniel Tarlow](https://openreview.net/profile?email=dtarlow%40microsoft.com)

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ICLR 2017 Conference Invite to Workshop

[Tuning Recurrent Neural Networks with Reinforcement Learning](https://openreview.net/forum?id=BJ8fyHceg)

[Natasha Jaques](https://openreview.net/profile?email=jaquesn%40mit.edu), [Shixiang Gu](https://openreview.net/profile?email=sg717%40cam.ac.uk), [Richard E. Turner](https://openreview.net/profile?email=ret26%40cam.ack.uk), [Douglas Eck](https://openreview.net/profile?email=deck%40google.com)

‎05‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone20 Replies

ICLR 2017 Conference Invite to Workshop

[Discovering objects and their relations from entangled scene representations](https://openreview.net/forum?id=Bk2TqVcxe)

[David Raposo](https://openreview.net/profile?email=draposo%40google.com), [Adam Santoro](https://openreview.net/profile?email=adamsantoro%40google.com), [David Barrett](https://openreview.net/profile?email=barrettdavid%40google.com), [Razvan Pascanu](https://openreview.net/profile?email=razp%40google.com), [Timothy Lillicrap](https://openreview.net/profile?email=countzero%40google.com), [Peter Battaglia](https://openreview.net/profile?email=peterbattaglia%40google.com)

‎05‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone12 Replies

ICLR 2017 Conference Invite to Workshop

[Perception Updating Networks: On architectural constraints for interpretable video generative models](https://openreview.net/forum?id=SkXIrV9le)

[Eder Santana](https://openreview.net/profile?email=edercsjr%40gmail.com), [Jose C Principe](https://openreview.net/profile?email=principe%40cnel.ufl.edu)

‎05‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone12 Replies

ICLR 2017 Conference Invite to Workshop

[Neural Data Filter for Bootstrapping Stochastic Gradient Descent](https://openreview.net/forum?id=SyJNmVqgg)

[Yang Fan](https://openreview.net/profile?email=v-yanfa%40microsoft.com), [Fei Tian](https://openreview.net/profile?email=fetia%40microsoft.com), [Tao Qin](https://openreview.net/profile?email=taoqin%40microsoft.com), [Tie-Yan Liu](https://openreview.net/profile?email=tie-yan.liu%40microsoft.com)

‎05‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone20 Replies

ICLR 2017 Conference Invite to Workshop

[Surprise-Based Intrinsic Motivation for Deep Reinforcement Learning](https://openreview.net/forum?id=Bk8aOm9xl)

[Joshua Achiam](https://openreview.net/profile?email=jachiam%40berkeley.edu), [Shankar Sastry](https://openreview.net/profile?email=sastry%40coe.berkeley.edu)

‎04‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone10 Replies

ICLR 2017 Conference Invite to Workshop

[Learning in Implicit Generative Models](https://openreview.net/forum?id=B16Jem9xe)

[Shakir Mohamed](https://openreview.net/profile?email=shakir%40google.com), [Balaji Lakshminarayanan](https://openreview.net/profile?email=balajiln%40google.com)

‎04‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone15 Replies

ICLR 2017 Conference Invite to Workshop

[Adaptive Feature Abstraction for Translating Video to Language](https://openreview.net/forum?id=ByG4hz5le)

[Yunchen Pu](https://openreview.net/profile?email=yunchen.pu%40duke.edu), [Martin Renqiang Min](https://openreview.net/profile?email=renqiang%40nec-labs.com), [Zhe Gan](https://openreview.net/profile?email=zhe.gan%40duke.edu), [Lawrence Carin](https://openreview.net/profile?email=lcarin%40duke.edu)

‎04‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone22 Replies

ICLR 2017 Conference Invite to Workshop

[On Robust Concepts and Small Neural Nets](https://openreview.net/forum?id=SyZprb5xg)

[Amit Deshpande](https://openreview.net/profile?email=amitdesh%40microsoft.com), [Sushrut Karmalkar](https://openreview.net/profile?email=sushrutk%40cs.utexas.edu)

‎04‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone13 Replies

ICLR 2017 Conference Invite to Workshop

[RenderGAN: Generating Realistic Labeled Data](https://openreview.net/forum?id=BkGakb9lx)

[Leon Sixt](https://openreview.net/profile?email=leon.sixt%40fu-berlin.de), [Benjamin Wild](https://openreview.net/profile?email=benjamin.wild%40fu-berlin.de), [Tim Landgraf](https://openreview.net/profile?email=tim.landgraf%40fu-berlin.de)

‎04‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone16 Replies

ICLR 2017 Conference Invite to Workshop

[Learning Continuous Semantic Representations of Symbolic Expressions](https://openreview.net/forum?id=B1vRTeqxg)

[Miltiadis Allamanis](https://openreview.net/profile?email=m.allamanis%40ed.ac.uk), [Pankajan Chanthirasegaran](https://openreview.net/profile?email=pankajan.chanthirasegaran%40ed.ac.uk), [Pushmeet Kohli](https://openreview.net/profile?email=pkohli%40microsoft.com), [Charles Sutton](https://openreview.net/profile?email=csutton%40ed.ac.uk)

‎04‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone15 Replies

ICLR 2017 Conference Invite to Workshop

[Semi-supervised deep learning by metric embedding](https://openreview.net/forum?id=r1R5Z19le)

[Elad Hoffer](https://openreview.net/profile?email=ehoffer%40tx.technion.ac.il), [Nir Ailon](https://openreview.net/profile?email=nailon%40cs.technion.ac.il)

‎04‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone8 Replies

ICLR 2017 Conference Invite to Workshop

[Modularized Morphing of Neural Networks](https://openreview.net/forum?id=BJRIA3Fgg)

[Tao Wei](https://openreview.net/profile?email=taowei%40buffalo.edu), [Changhu Wang](https://openreview.net/profile?email=chw%40microsoft.com), [Chang Wen Chen](https://openreview.net/profile?email=chencw%40buffalo.edu)

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[Short and Deep: Sketching and Neural Networks](https://openreview.net/forum?id=r1br_2Kge)

[Amit Daniely](https://openreview.net/profile?email=amitdaniely%40google.com), [Nevena Lazic](https://openreview.net/profile?email=nevena%40google.com), [Yoram Singer](https://openreview.net/profile?email=singer%40google.com), [Kunal Talwar](https://openreview.net/profile?email=kunal%40google.com)

‎04‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone16 Replies

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[Modular Multitask Reinforcement Learning with Policy Sketches](https://openreview.net/forum?id=H1kjdOYlx)

[Jacob Andreas](https://openreview.net/profile?email=jda%40cs.berkeley.edu), [Dan Klein](https://openreview.net/profile?email=klein%40cs.berkeley.edu), [Sergey Levine](https://openreview.net/profile?email=svlevine%40eecs.berkeley.edu)

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ICLR 2017 Conference Invite to Workshop

[Development of JavaScript-based deep learning platform and application to distributed training](https://openreview.net/forum?id=r1xUYDYgg)

[Masatoshi Hidaka](https://openreview.net/profile?email=hidaka%40mi.t.u-tokyo.ac.jp), [Ken Miura](https://openreview.net/profile?email=miura%40mi.t.u-tokyo.ac.jp), [Tatsuya Harada](https://openreview.net/profile?email=harada%40mi.t.u-tokyo.ac.jp)

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ICLR 2017 Conference Invite to Workshop

[A Differentiable Physics Engine for Deep Learning in Robotics](https://openreview.net/forum?id=SyEiHNKxx)

[Jonas Degrave](https://openreview.net/profile?email=Jonas.Degrave%40UGent.be), [Michiel Hermans](https://openreview.net/profile?email=x%40UGent.be), [Joni Dambre](https://openreview.net/profile?email=Joni.Dambre%40UGent.be), [Francis wyffels](https://openreview.net/profile?email=Francis.wyffels%40UGent.be)

‎04‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone13 Replies

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[Compositional Kernel Machines](https://openreview.net/forum?id=S1Bm3T_lg)

[Robert Gens](https://openreview.net/profile?email=rcg%40cs.washington.edu), [Pedro Domingos](https://openreview.net/profile?email=pedrod%40cs.washington.edu)

‎03‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone12 Replies

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[Extrapolation and learning equations](https://openreview.net/forum?id=ryUPiRvge)

[Georg Martius](https://openreview.net/profile?email=gmartius%40ist.ac.at), [Christoph H. Lampert](https://openreview.net/profile?email=chl%40ist.ac.at)

‎03‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone14 Replies

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[Adversarial examples in the physical world](https://openreview.net/forum?id=S1OufnIlx)

[Alexey Kurakin](https://openreview.net/profile?email=kurakin%40google.com), [Ian J. Goodfellow](https://openreview.net/profile?email=ian%40openai.com), [Samy Bengio](https://openreview.net/profile?email=bengio%40google.com)

‎02‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone11 Replies

ICLR 2017 Conference Invite to Workshop

[Charged Point Normalization: An Efficient Solution to the Saddle Point Problem](https://openreview.net/forum?id=B1jnyXXJx)

[Armen Aghajanyan](https://openreview.net/profile?email=armen.ag%40live.com)

‎18‎ ‎Oct‎ ‎2016ICLR 2017 conference submissionreaders: everyone18 Replies

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Paper decision: Reject

[Energy-Based Spherical Sparse Coding](https://openreview.net/forum?id=HkNEuToge)

[Bailey Kong](https://openreview.net/profile?email=bhkong%40ics.uci.edu), [Charless C. Fowlkes](https://openreview.net/profile?email=fowlkes%40ics.uci.edu)

‎06‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone13 Replies

ICLR 2017 Conference Reject

[Revisiting Denoising Auto-Encoders](https://openreview.net/forum?id=B1ZXuTolx)

[Luis Gonzalo Sanchez Giraldo](https://openreview.net/profile?email=lgsanchez%40cs.miami.edu)

‎06‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone11 Replies

ICLR 2017 Conference Reject

[End-to-End Learnable Histogram Filters](https://openreview.net/forum?id=ByvJuTigl)

[Rico Jonschkowski](https://openreview.net/profile?email=rico.jonschkowski%40tu-berlin.de), [Oliver Brock](https://openreview.net/profile?email=oliver.brock%40tu-berlin.de)

‎06‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone13 Replies

ICLR 2017 Conference Reject

[Rotation Plane Doubly Orthogonal Recurrent Neural Networks](https://openreview.net/forum?id=ry_4vpixl)

[Zoe McCarthy](https://openreview.net/profile?email=zmccarthy%40berkeley.edu), [Andrew Bai](https://openreview.net/profile?email=xiaoyang.bai%40berkeley.edu), [Xi Chen](https://openreview.net/profile?email=c.xi%40berkeley.edu), [Pieter Abbeel](https://openreview.net/profile?email=pabbeel%40berkeley.edu)

‎06‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone6 Replies

ICLR 2017 Conference Reject

[Near-Data Processing for Machine Learning](https://openreview.net/forum?id=H1_EDpogx)

[Hyeokjun Choe](https://openreview.net/profile?email=genesis1104%40snu.ac.kr), [Seil Lee](https://openreview.net/profile?email=lees231%40dsl.snu.ac.kr), [Hyunha Nam](https://openreview.net/profile?email=godqhr825%40snu.ac.kr), [Seongsik Park](https://openreview.net/profile?email=pss015%40snu.ac.kr), [Seijoon Kim](https://openreview.net/profile?email=hokiespa%40snu.ac.kr), [Eui-Young Chung](https://openreview.net/profile?email=eychung%40yonsei.ac.kr), [Sungroh Yoon](https://openreview.net/profile?email=sryoon%40snu.ac.kr)

‎06‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone11 Replies

ICLR 2017 Conference Reject

[Investigating Recurrence and Eligibility Traces in Deep Q-Networks](https://openreview.net/forum?id=HJrDIpiee)

[Jean Harb](https://openreview.net/profile?email=jharb%40cs.mcgill.ca), [Doina Precup](https://openreview.net/profile?email=dprecup%40cs.mcgill.ca)

‎06‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone10 Replies

ICLR 2017 Conference Reject

[Exploring the Application of Deep Learning for Supervised Learning Problems](https://openreview.net/forum?id=Byx5BTilg)

[Jose Rozanec](https://openreview.net/profile?email=jmrozanec%40gmail.com), [Gilad Katz](https://openreview.net/profile?email=giladk%40berkeley.edu), [Eui Chul Richard Shin](https://openreview.net/profile?email=ricshin%40berkeley.edu), [Dawn Song](https://openreview.net/profile?email=dawnsong%40eecs.berkeley.edu)

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ICLR 2017 Conference Reject

[An Empirical Analysis of Deep Network Loss Surfaces](https://openreview.net/forum?id=rkuDV6iex)

[Daniel Jiwoong Im](https://openreview.net/profile?email=daniel.im%40aifounded.com), [Michael Tao](https://openreview.net/profile?email=mtao%40dgp.toronto.edu), [Kristin Branson](https://openreview.net/profile?email=bransonk%40janelia.hhmi.org)

‎06‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone11 Replies

ICLR 2017 Conference Reject

[Unsupervised Learning Using Generative Adversarial Training And Clustering](https://openreview.net/forum?id=SJ8BZTjeg)

[Vittal Premachandran](https://openreview.net/profile?email=vittalp%40jhu.edu), [Alan L. Yuille](https://openreview.net/profile?email=ayuille1%40jhu.edu)

‎06‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone7 Replies

ICLR 2017 Conference Reject

[#Exploration: A Study of Count-Based Exploration for Deep Reinforcement Learning](https://openreview.net/forum?id=SyOvg6jxx)

[Haoran Tang](https://openreview.net/profile?email=hrtang.alex%40berkeley.edu), [Rein Houthooft](https://openreview.net/profile?email=rein.houthooft%40ugent.be), [Davis Foote](https://openreview.net/profile?email=djfoote%40berkeley.edu), [Adam Stooke](https://openreview.net/profile?email=adam.stooke%40berkeley.edu), [Xi Chen](https://openreview.net/profile?email=peter%40openai.com), [Yan Duan](https://openreview.net/profile?email=rocky%40openai.com), [John Schulman](https://openreview.net/profile?email=joschu%40openai.com), [Filip De Turck](https://openreview.net/profile?email=filip.deturck%40ugent.be), [Pieter Abbeel](https://openreview.net/profile?email=pieter%40openai.com)

‎06‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone15 Replies

ICLR 2017 Conference Reject

[Prototypical Networks for Few-shot Learning](https://openreview.net/forum?id=B1-Hhnslg)

[Jake Snell](https://openreview.net/profile?email=jsnell%40cs.toronto.edu), [Kevin Swersky](https://openreview.net/profile?email=kswersky%40twitter.com), [Richard Zemel](https://openreview.net/profile?email=zemel%40cs.toronto.edu)

‎06‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone9 Replies

ICLR 2017 Conference Reject

[On orthogonality and learning recurrent networks with long term dependencies](https://openreview.net/forum?id=HkuVu3ige)

[Eugene Vorontsov](https://openreview.net/profile?email=eugene.vorontsov%40gmail.com), [Chiheb Trabelsi](https://openreview.net/profile?email=chiheb.trabelsi%40polymtl.ca), [Samuel Kadoury](https://openreview.net/profile?email=samuel.kadoury%40polymtl.ca), [Chris Pal](https://openreview.net/profile?email=christopher.pal%40polymtl.ca)

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ICLR 2017 Conference Reject

[Deep Neural Networks and the Tree of Life](https://openreview.net/forum?id=r17RD2oxe)

[Yan Wang](https://openreview.net/profile?email=yanwang%40hust.edu.cn), [Kun He](https://openreview.net/profile?email=brooklet60%40hust.edu.cn), [John E. Hopcroft](https://openreview.net/profile?email=jeh%40cs.cornell.edu), [Yu Sun](https://openreview.net/profile?email=ys646%40cornell.edu)

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ICLR 2017 Conference Reject

[Generative Adversarial Parallelization](https://openreview.net/forum?id=Sk8J83oee)

[Daniel Jiwoong Im](https://openreview.net/profile?email=daniel.im%40aifounded.com), [He Ma](https://openreview.net/profile?email=hma02%40uoguelph.ca), [Chris Dongjoo Kim](https://openreview.net/profile?email=ckim07%40uoguelph.ca), [Graham Taylor](https://openreview.net/profile?email=gwtaylor%40uoguelph.ca)

‎06‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone13 Replies

ICLR 2017 Conference Reject

[b-GAN: Unified Framework of Generative Adversarial Networks](https://openreview.net/forum?id=S1JG13oee)

[Masatosi Uehara](https://openreview.net/profile?email=uehara-masatoshi136%40g.ecc.u-tokyo.ac.jp), [Issei Sato](https://openreview.net/profile?email=sato%40k.u-tokyo.ac.jp), [Masahiro Suzuki](https://openreview.net/profile?email=masa%40weblab.t.u-tokyo.ac.jp), [Kotaro Nakayama](https://openreview.net/profile?email=nakayama%40weblab.t.u-tokyo.ac.jp), [Yutaka Matsuo](https://openreview.net/profile?email=matsuo%40weblab.t.u-tokyo.ac.jp)

‎06‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone10 Replies

ICLR 2017 Conference Reject

[Higher Order Recurrent Neural Networks](https://openreview.net/forum?id=ByZvfijeg)

[Rohollah Soltani](https://openreview.net/profile?email=rsoltani%40cse.yorku.ca), [Hui Jiang](https://openreview.net/profile?email=hj%40cse.yorku.ca)

‎06‎ ‎Nov‎ ‎2016ICLR 2017 conference submissionreaders: everyone10 Replies

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[Generative Adversarial Networks as Variational Training of Energy Based Models](https://openreview.net/forum?id=ry7O1ssex)

[Shuangfei Zhai](https://openreview.net/profile?email=szhai2%40binghamton.edu), [Yu Cheng](https://openreview.net/profile?email=chengyu%40us.ibm.com), [Rogerio Feris](https://openreview.net/profile?email=rsferis%40us.ibm.com), [Zhongfei Zhang](https://openreview.net/profile?email=zhongfei%40cs.binghamton.edu)

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[Introducing Active Learning for CNN under the light of Variational Inference](https://openreview.net/forum?id=ryaFG5ige)

[Melanie Ducoffe](https://openreview.net/profile?email=ducoffe%40i3s.unice.fr), [Frederic Precioso](https://openreview.net/profile?email=precioso%40i3s.unice.fr)

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[An Information Retrieval Approach for Finding Dependent Subspaces of Multiple Views](https://openreview.net/forum?id=Hk-mgcsgx)

[Ziyuan Lin](https://openreview.net/profile?email=ziyuan.lin%40aalto.fi), [Jaakko Peltonen](https://openreview.net/profile?email=jaakko.peltonen%40uta.fi)

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[Character-aware Attention Residual Network for Sentence Representation](https://openreview.net/forum?id=H1Go7Koex)

[Xin Zheng](https://openreview.net/profile?email=xzheng008%40e.ntu.edu.sg), [Zhenzhou Wu](https://openreview.net/profile?email=zhenzhou.wu%40sap.com)

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[Attentive Recurrent Comparators](https://openreview.net/forum?id=BJjn-Yixl)

[Pranav Shyam](https://openreview.net/profile?email=pranavm.cs13%40rvce.edu.in), [Ambedkar Dukkipati](https://openreview.net/profile?email=ad%40csa.iisc.ernet.in)

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[CAN AI GENERATE LOVE ADVICE?: TOWARD NEURAL ANSWER GENERATION FOR NON-FACTOID QUESTIONS](https://openreview.net/forum?id=ryQbbFile)

[Makoto Nakatsuji](https://openreview.net/profile?email=nakatuji%40nttr.co.jp), [Hisashi Ito](https://openreview.net/profile?email=h-ito%40nttr.co.jp), [Naruhiro Ikeda](https://openreview.net/profile?email=nikeda%40nttr.co.jp), [Shota Sagara](https://openreview.net/profile?email=s-sagara%40nttr.co.jp), [Akihisa Fujita](https://openreview.net/profile?email=akihisa%40nttr.co.jp)

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[Boosted Generative Models](https://openreview.net/forum?id=HyY4Owjll)

[Aditya Grover](https://openreview.net/profile?email=adityag%40cs.stanford.edu), [Stefano Ermon](https://openreview.net/profile?email=ermon%40cs.stanford.edu)

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[Adversarial examples for generative models](https://openreview.net/forum?id=SJk01vogl)

[Jernej Kos](https://openreview.net/profile?email=jernej%40kos.mx), [Ian Fischer](https://openreview.net/profile?email=iansf%40google.com), [Dawn Song](https://openreview.net/profile?email=dawnsong.travel%40gmail.com)

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[Philip Bachman](https://openreview.net/profile?email=phil.bachman%40maluuba.com), [Alessandro Sordoni](https://openreview.net/profile?email=alessandro.sordoni%40maluuba.com), [Adam Trischler](https://openreview.net/profile?email=adam.trischler%40maluuba.com)

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[Taewan Kim](https://openreview.net/profile?email=taey.16%40navercorp.com)

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[Matthias Dorfer](https://openreview.net/profile?email=matthias.dorfer%40jku.at), [Jan Schlüter](https://openreview.net/profile?email=jan.schlueter%40ofai.at), [Gerhard Widmer](https://openreview.net/profile?email=gerhard.widmer%40jku.at)

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[Louis Shao](https://openreview.net/profile?email=overmind%40google.com), [Stephan Gouws](https://openreview.net/profile?email=sgouws%40google.com), [Denny Britz](https://openreview.net/profile?email=dennybritz%40google.com), [Anna Goldie](https://openreview.net/profile?email=agoldie%40google.com), [Brian Strope](https://openreview.net/profile?email=bps%40google.com), [Ray Kurzweil](https://openreview.net/profile?email=raykurzweil%40google.com)

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[Guillaume Alain](https://openreview.net/profile?email=guillaume.alain.umontreal%40gmail.com), [Yoshua Bengio](https://openreview.net/profile?email=yoshua.bengio%40gmail.com)

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[Tao Lin](https://openreview.net/profile?email=tao.lin%40epfl.ch), [Tian Guo](https://openreview.net/profile?email=tian.guo%40epfl.ch), [Karl Aberer](https://openreview.net/profile?email=karl.aberer%40epfl.ch)

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[Daniel Berio](https://openreview.net/profile?email=d.berio%40gold.ac.uk), [Memo Akten](https://openreview.net/profile?email=m.akten%40ac.uk), [Frederic Fol Leymarie](https://openreview.net/profile?email=ffl%40gold.ac.uk), [Mick Grierson](https://openreview.net/profile?email=m.grierson%40gold.ac.uk), [Réjean Plamondon](https://openreview.net/profile?email=rejean.plamondon%40polymtl.ca)

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[Thomas Nedelec](https://openreview.net/profile?email=t.nedelec%40criteo.com), [Elena Smirnova](https://openreview.net/profile?email=e.smirnova%40criteo.com), [Flavian Vasile](https://openreview.net/profile?email=f.vasile%40criteo.com)

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[Mehdi Cherti](https://openreview.net/profile?email=mehdicherti%40gmail.com), [Balázs Kégl](https://openreview.net/profile?email=balazskegl%40gmail.com), [Akın Kazakçı](https://openreview.net/profile?email=akin.kazakci%40mines-paristech.fr)

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[Matthew Riemer](https://openreview.net/profile?email=mdriemer%40us.ibm.com), [Elham Khabiri](https://openreview.net/profile?email=ekhabiri%40us.ibm.com), [Richard Goodwin](https://openreview.net/profile?email=rgoodwin%40us.ibm.com)

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[Dawei Li](https://openreview.net/profile?email=dal312%40lehigh.edu), [Xiaolong Wang](https://openreview.net/profile?email=visionxiaolong%40gmail.com), [Deguang Kong](https://openreview.net/profile?email=doogkong%40gmail.com), Mooi Choo Chuah

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[Youngjoo Seo](https://openreview.net/profile?email=youngjoo.seo%40epfl.ch), [Michaël Defferrard](https://openreview.net/profile?email=michael.defferrard%40epfl.ch), [Pierre Vandergheynst](https://openreview.net/profile?email=pierre.vandergheynst%40epfl.ch), [Xavier Bresson](https://openreview.net/profile?email=xavier.bresson%40gmail.com)

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[Yang Yu](https://openreview.net/profile?email=yu%40us.ibm.com), [Wei Zhang](https://openreview.net/profile?email=zhangwei%40us.ibm.com), [Bowen Zhou](https://openreview.net/profile?email=zhou%40us.ibm.com), [Kazi Hasan](https://openreview.net/profile?email=kshasan%40us.ibm.com), [Mo Yu](https://openreview.net/profile?email=yum%40us.ibm.com), [Bing Xiang](https://openreview.net/profile?email=bingxia%40us.ibm.com)

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[Serena Yeung](https://openreview.net/profile?email=serena%40cs.stanford.edu), [Anitha Kannan](https://openreview.net/profile?email=akannan%40fb.com), [Yann Dauphin](https://openreview.net/profile?email=ynd%40fb.com), [Li Fei-Fei](https://openreview.net/profile?email=feifeili%40cs.stanford.edu)

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[Rahul G. Krishnan](https://openreview.net/profile?email=rahul%40cs.nyu.edu), [Matthew Hoffman](https://openreview.net/profile?email=matthoffm%40adobe.com)

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[Yelong Shen\*](https://openreview.net/profile?email=yeshen%40microsoft.com), [Po-Sen Huang\*](https://openreview.net/profile?email=pshuang%40microsoft.com), [Ming-Wei Chang](https://openreview.net/profile?email=minchang%40microsoft.com), [Jianfeng Gao](https://openreview.net/profile?email=jfgao%40microsoft.com)

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[Zhengping Che](https://openreview.net/profile?email=zche%40usc.edu), [Sanjay Purushotham](https://openreview.net/profile?email=spurusho%40usc.edu), [Kyunghyun Cho](https://openreview.net/profile?email=kyunghyun.cho%40nyu.edu), [David Sontag](https://openreview.net/profile?email=dsontag%40cs.nyu.edu), [Yan Liu](https://openreview.net/profile?email=yanliu.cs%40usc.edu)

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[Chang Liu](https://openreview.net/profile?email=xinw%40eecs.berkeley.edu), [Xin Wang](https://openreview.net/profile?email=liuchang%40eecs.berkeley.edu), [Richard Shin](https://openreview.net/profile?email=ricshin%40berkeley.edu), [Joseph E. Gonzalez](https://openreview.net/profile?email=jegonzal%40berkeley.edu), [Dawn Song](https://openreview.net/profile?email=dawnsong%40cs.berkeley.edu)

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[Peter Potash](https://openreview.net/profile?email=ppotash%40cs.uml.edu), [Alexey Romanov](https://openreview.net/profile?email=aromanov%40cs.uml.edu), [Anna Rumshisky](https://openreview.net/profile?email=arum%40cs.uml.edu)

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[Richard Shin](https://openreview.net/profile?email=ricshin%40cs.berkeley.edu), [Alexander A. Alemi](https://openreview.net/profile?email=alemi%40google.com), [Geoffrey Irving](https://openreview.net/profile?email=geoffreyi%40google.com), [Oriol Vinyals](https://openreview.net/profile?email=vinyals%40google.com)

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[Zenna Tavares](https://openreview.net/profile?email=zenna%40mit.edu), [Armando Solar-Lezama](https://openreview.net/profile?email=asolar%40csail.mit.edu)

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[Xinyun Chen](https://openreview.net/profile?email=jungyhuk%40gmail.com), [Bo Li](https://openreview.net/profile?email=bbbli%40umich.edu), [Yevgeniy Vorobeychik](https://openreview.net/profile?email=yevgeniy.vorobeychik%40vanderbilt.edu)

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[Anirudh Goyal](https://openreview.net/profile?email=anirudhgoyal9119%40gmail.com), [Nan Rosemary Ke](https://openreview.net/profile?email=rosemary.nan.ke%40gmail.com), [Alex Lamb](https://openreview.net/profile?email=lambalex%40iro.umontreal.ca), [Yoshua Bengio](https://openreview.net/profile?email=yoshua.umontreal%40gmail.com)

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[Distributed Transfer Learning for Deep Convolutional Neural Networks by Basic Probability Assignment](https://openreview.net/forum?id=SJJN38cge)

[Arash Shahriari](https://openreview.net/profile?email=arash.shahriari%40csiro.au)

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[A hybrid network: Scattering and Convnet](https://openreview.net/forum?id=ryPx38qge)

[Edouard Oyallon](https://openreview.net/profile?email=edouard.oyallon%40ens.fr)

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[FastText.zip: Compressing text classification models](https://openreview.net/forum?id=SJc1hL5ee)

[Armand Joulin](https://openreview.net/profile?email=ajoulin%40fb.com), [Edouard Grave](https://openreview.net/profile?email=egrave%40fb.com), [Piotr Bojanowski](https://openreview.net/profile?email=bojanowski%40fb.com), [Matthijs Douze](https://openreview.net/profile?email=matthijs%40fb.com), [Herve Jegou](https://openreview.net/profile?email=rvj%40fb.com), [Tomas Mikolov](https://openreview.net/profile?email=tmikolov%40fb.com)

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[Antonio Vergari](https://openreview.net/profile?email=antonio.vergari%40uniba.it), [Robert Peharz](https://openreview.net/profile?email=robert.peharz%40medunigraz.at), [Nicola Di Mauro](https://openreview.net/profile?email=nicola.dimauro%40uniba.it), [Floriana Esposito](https://openreview.net/profile?email=floriana.esposito%40uniba.it)

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[Sequence to Sequence Transduction with Hard Monotonic Attention](https://openreview.net/forum?id=HkyYqU9lx)

[Roee Aharoni](https://openreview.net/profile?email=roee.aharoni%40gmail.com), [Yoav Goldberg](https://openreview.net/profile?email=yoav.goldberg%40gmail.com)

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[Improving Stochastic Gradient Descent with Feedback](https://openreview.net/forum?id=r1WUqIceg)

[Jayanth Koushik](https://openreview.net/profile?email=jkoushik%40cs.cmu.edu), [Hiroaki Hayashi](https://openreview.net/profile?email=hiroakih%40cs.cmu.edu)

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[Thang D. Bui](https://openreview.net/profile?email=tdb40%40cam.ac.uk), [Sujith Ravi](https://openreview.net/profile?email=sravi%40google.com), [Vivek Ramavajjala](https://openreview.net/profile?email=vramavaj%40google.com)

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[Caglar Gulcehre](https://openreview.net/profile?email=gulcehrc%40iro.umontreal.ca), [Sarath Chandar](https://openreview.net/profile?email=apsarathchandar%40gmail.com), [Kyunghyun Cho](https://openreview.net/profile?email=kyunghyun.cho%40nyu.edu), [Yoshua Bengio](https://openreview.net/profile?email=yoshua.umontreal%40gmail.com)

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[Tom Zahavy](https://openreview.net/profile?email=tomzahavy%40tx.technion.ac.il), [Alessandro Magnani](https://openreview.net/profile?email=AMagnani%40walmartlabs.com), [Abhinandan Krishnan](https://openreview.net/profile?email=AKrishnan%40walmartlabs.com), [Shie Mannor](https://openreview.net/profile?email=shie%40ee.technion.ac.il)

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[Denis Volkhonskiy](https://openreview.net/profile?email=dvolkhonskiy%40gmail.com), [Boris Borisenko](https://openreview.net/profile?email=bborisenko%40hse.ru), [Evgeny Burnaev](https://openreview.net/profile?email=e.burnaev%40skoltech.ru)

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[MS MARCO: A Human-Generated MAchine Reading COmprehension Dataset](https://openreview.net/forum?id=Hk1iOLcle)

[Tri Nguyen](https://openreview.net/profile?email=trnguye%40microsoft.com), [Mir Rosenberg](https://openreview.net/profile?email=miriamr%40microsoft.com), [Xia Song](https://openreview.net/profile?email=xiaso%40microsoft.com), [Jianfeng Gao](https://openreview.net/profile?email=jfgao%40microsoft.com), [Saurabh Tiwary](https://openreview.net/profile?email=satiwary%40microsoft.com), [Rangan Majumder and Li Deng](https://openreview.net/profile?email=ranganm%40microsoft.com)

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[Haoqi Fan](https://openreview.net/profile?email=haoqif%40andrew.cmu.edu), [Yu Zhang](https://openreview.net/profile?email=kkitani%40cs.cmu.edu), Kris M. Kitani

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[GRAM: Graph-based Attention Model for Healthcare Representation Learning](https://openreview.net/forum?id=SkgewU5ll)

[Edward Choi](https://openreview.net/profile?email=mp2893%40gatech.edu), [Mohammad Taha Bahadori](https://openreview.net/profile?email=bahadori%40gatech.edu), [Le Song](https://openreview.net/profile?email=lsong%40cc.gatech.edu), [Walter F. Stewart](https://openreview.net/profile?email=stewarwf%40sutterhealth.org), [Jimeng Sun](https://openreview.net/profile?email=jsun%40cc.gatech.edu)

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[Aurelia Léon](https://openreview.net/profile?email=aurelia.leon%40lip6.fr), [Ludovic Denoyer](https://openreview.net/profile?email=ludovic.denoyer%40lip6.fr)

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[Lingpeng Kong](https://openreview.net/profile?email=lingpenk%40cs.cmu.edu), [Chris Alberti](https://openreview.net/profile?email=chrisalberti%40google.com), [Daniel Andor](https://openreview.net/profile?email=andor%40google.com), [Ivan Bogatyy](https://openreview.net/profile?email=bogatyy%40google.com), [David Weiss](https://openreview.net/profile?email=djweiss%40google.com)

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[Anna C. Gilbert](https://openreview.net/profile?email=annacg%40umich.edu), [Yi Zhang](https://openreview.net/profile?email=yeezhang%40umich.edu), [Kibok Lee](https://openreview.net/profile?email=kibok%40umich.edu), [Yuting Zhang](https://openreview.net/profile?email=yutingzh%40umich.edu), [Honglak Lee](https://openreview.net/profile?email=honglak%40umich.edu)

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[Ting Yao](https://openreview.net/profile?email=tiyao%40microsoft.com), [Yingwei Pan](https://openreview.net/profile?email=v-yipan%40microsoft.com), [Yehao Li](https://openreview.net/profile?email=v-yehl%40microsoft.com), [Zhaofan Qiu](https://openreview.net/profile?email=v-zhqiu%40microsoft.com), [Tao Mei](https://openreview.net/profile?email=tmei%40microsoft.com)

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[John Boaz Lee](https://openreview.net/profile?email=jtlee%40wpi.edu), [Xiangnan Kong](https://openreview.net/profile?email=xkong%40wpi.edu)

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[Sanjay Ganapathy](https://openreview.net/profile?email=sanjaygana%40gmail.com), [Swagath Venkataramani](https://openreview.net/profile?email=venkata0%40purdue.edu), [Balaraman Ravindran](https://openreview.net/profile?email=ravi%40cse.iitm.ac.in), [Anand Raghunathan](https://openreview.net/profile?email=raghunathan%40purdue.edu)

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[Deep Character-Level Neural Machine Translation By Learning Morphology](https://openreview.net/forum?id=rJq_YBqxx)

[Shenjian Zhao](https://openreview.net/profile?email=sword.york%40gmail.com), [Zhihua Zhang](https://openreview.net/profile?email=zhzhang%40math.pku.edu.cn)

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[Randall Balestriero](https://openreview.net/profile?email=randallbalestriero%40gmail.com), [Herve Glotin](https://openreview.net/profile?email=glotin%40univ-tln.fr)

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[Alan Mosca](https://openreview.net/profile?email=a.mosca%40dcs.bbk.ac.uk), [George D. Magoulas](https://openreview.net/profile?email=gmagoulas%40dcs.bbk.ac.uk)

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[Matthieu Labeau](https://openreview.net/profile?email=labeau%40limsi.fr), [Alexandre Allauzen](https://openreview.net/profile?email=allauzen%40limsi.fr)

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[Lei Shi](https://openreview.net/profile?email=shilei06%40baidu.com), [Shikun Feng](https://openreview.net/profile?email=fengshikun01%40baidu.com), [Zhifan Zhu](https://openreview.net/profile?email=zhuzhifan%40baidu.com)

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[Zhigang Yuan](https://openreview.net/profile?email=yuanzg14%40mails.tsinghua.edu.cn), [Yuting Hu](https://openreview.net/profile?email=hu-yt12%40mails.tsinghua.edu.cn), [Yongfeng Huang](https://openreview.net/profile?email=yfhuang%40tsinghua.edu.cn)

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[Yannis M. Assael](https://openreview.net/profile?email=yannis.assael%40cs.ox.ac.uk), [Brendan Shillingford](https://openreview.net/profile?email=brendan.shillingford%40cs.ox.ac.uk), [Shimon Whiteson](https://openreview.net/profile?email=shimon.whiteson%40cs.ox.ac.uk), [Nando de Freitas](https://openreview.net/profile?email=nando.de.freitas%40cs.ox.ac.uk)

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[Mohammad Babaeizadeh](https://openreview.net/profile?email=mb2%40illinois.edu.edu), [Paris Smaragdis](https://openreview.net/profile?email=paris%40illinois.edu.edu), [Roy H. Campbell](https://openreview.net/profile?email=rhc%40illinois.edu.edu)

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[Hai Wang](https://openreview.net/profile?email=haiwang%40ttic.edu), [Takeshi Onishi](https://openreview.net/profile?email=tonishi%40ttic.edu), [Kevin Gimpel](https://openreview.net/profile?email=kgimpel%40ttic.edu), [David McAllester](https://openreview.net/profile?email=mcallester%40ttic.edu)

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[Alexander Fonarev](https://openreview.net/profile?email=newo%40newo.su), [Alexey Grinchuk](https://openreview.net/profile?email=oleksii.hrinchuk%40skolkovotech.ru), [Gleb Gusev](https://openreview.net/profile?email=gleb57%40yandex-team.ru), [Pavel Serdyukov](https://openreview.net/profile?email=pavser%40yandex-team.ru), [Ivan Oseledets](https://openreview.net/profile?email=ioseledets%40skoltech.ru)

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[Guoqiang Zhong](https://openreview.net/profile?email=gqzhong%40ouc.edu.cn), [Yuchen Zheng](https://openreview.net/profile?email=ouczyc%40outlook.com), [Peng Zhang](https://openreview.net/profile?email=sdrzbruce%40163.com), [Mengqi Li](https://openreview.net/profile?email=enri9615%40outlook.com), [Junyu Dong](https://openreview.net/profile?email=dongjunyu%40ouc.edu.cn)

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[Marginal Deep Architectures: Deep learning for Small and Middle Scale Applications](https://openreview.net/forum?id=BysZhEqee)

[Yuchen Zheng](https://openreview.net/profile?email=ouczyc%40outlook.com), [Guoqiang Zhong](https://openreview.net/profile?email=gqzhong%40ouc.edu.cn), [Junyu Dong](https://openreview.net/profile?email=dongjunyu%40ouc.edu.cn)

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[Ramesh Nallapati](https://openreview.net/profile?email=nallapati%40us.ibm.com), [Bowen Zhou and Mingbo Ma](https://openreview.net/profile?email=zhou%40us.ibm.com)

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[Vincent Roger](https://openreview.net/profile?email=vincent-roger%40etud.univ-tln.fr), [Marius Bartcus](https://openreview.net/profile?email=marius.bartcus%40gmail.com), [Faicel Chamroukhi](https://openreview.net/profile?email=faicel.chamroukhi%40unicaen.fr), [Hervé Glotin](https://openreview.net/profile?email=glotin%40univ-tln.fr)

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[Alex Nowak](https://openreview.net/profile?email=anv273%40nyu.edu), [Joan Bruna](https://openreview.net/profile?email=bruna%40cims.nyu.edu)

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[Jonas Gehring](https://openreview.net/profile?email=jgehring%40fb.com), [Michael Auli](https://openreview.net/profile?email=michaelauli%40fb.com), [David Grangier](https://openreview.net/profile?email=grangier%40fb.com), [Yann N. Dauphin](https://openreview.net/profile?email=ynd%40fb.com)

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[Leslie N. Smith](https://openreview.net/profile?email=leslie.smith%40nrl.navy.mil), [Nicholay Topin](https://openreview.net/profile?email=ntopin%40umbc.edu)

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[Roman Novak](https://openreview.net/profile?email=roman.novak%40polytechnique.edu), [Michael Auli](https://openreview.net/profile?email=michaelauli%40fb.com), [David Grangier](https://openreview.net/profile?email=grangier%40fb.com)

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[Linnan Wang](https://openreview.net/profile?email=linnan.wang%40gatech.edu), [Wei Wu](https://openreview.net/profile?email=wwu12%40vols.utk.edu), [George Bosilca](https://openreview.net/profile?email=bosilca%40icl.utk.edu), [Richard Vuduc](https://openreview.net/profile?email=richie%40cc.gatech.edu), [Zenglin Xu](https://openreview.net/profile?email=zlxu%40uestc.edu.cn)

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