

# TECHTalk@CSAIL and Research Showcase

## ELEMENT AI

Sponsored by CSAIL Alliances

### Tech Talk | 4:00PM - 5:00PM EDT

**4:00PM Research at Element AI**

Nicolas Chapados, Chief Science Officer and Co-Founder

**4:20PM Revisiting Generalization for Deep Learning**

Karolina Dziugaite, Research Scientist

**4:40PM Applied Representation Learning Through AI Core**

Perouz Taslakian, Applied Research Scientist

### Poster Session | 5:00PM - 7:00PM EDT

**Unsupervised Domain Adaptation with Similarity Learning**

Pedro O. Pinheiro, Research Scientist

**Functionality-Preserving Adversarial Learning**

Ousmane Dia, Applied Research Scientist

**Deep Prior**

Alexandre Lacoste, Research Scientist

**Interpretable Genotype-to-Phenotype Classifiers with Performance Guarantees**

Alexandre Drouin, Research Scientist

**TADAM- Task Dependent Adaptive Metric for Improved Few-Shot Learning**

Boris Oreshkin, Research Scientist

**Pix2Scene- Learning Implicit 3D Representations from Images**

David Vazquez, Research Scientist

**Revisiting Generalization for Deep Learning**

Karolina Dziugaite, Research Scientist

**W2GAN: Recovering an Optimal Transport Map with a GAN**

Amjad Almahairi, Research Scientist

**Tuesday, October 23, 2018**

**4:00PM - 7:00PM EDT**

R&D Commons, 4<sup>TH</sup> Floor  
Ray and Maria Stata Center  
Cambridge, MA 02139

Food and refreshments will be provided

Please RSVP to:

<http://bit.ly/CSAIElementAI2018>

Questions? Contact:

Callie Mathews at [cmathews@csail.mit.edu](mailto:cmathews@csail.mit.edu)

SystemsThatLearn@CSAIL member  
Element AI will be providing technical insights into the research interests and projects being conducted across the company. The Element AI Research team will be presenting a few short technical talks followed by a poster reception highlighting their current research areas and projects. Research will be presented on topics including, explainability, learning theory, domain adaptation, adversarial learning, few shot learning and much more. This event will engage both MIT faculty and students on common research interests and collaborative opportunities.



For abstracts and speaker bios, please visit:  
[elementaialiancesfall2018.eventbrite.com](http://elementaialiancesfall2018.eventbrite.com)