# The IPIGRAM (16 March 2017)
# Feature Posts

Congratulations to IP Osgoode's Prof. Pina D'Agostino on being chosen by the Lieutenant Governor for the *150 Stories*, a collection of stories and images that speak eloquently about what it means to be Canadian in Ontario.

**Call for Applications**
*IPilogue Editors*
IP Osgoode is seeking law students from across Canada and around the world to be part of the IPilogue editorial team. Click here for details.

**2017 Influential Businesswoman Awards**
Congratulations to IP Osgoode's Prof. Pina D'Agostino on her nomination. To vote for her click here.

In celebration of  International Women's Day on March 8, we honour the four women who will be inducted into the National Inventors Hall of Fame this year. The honourees are Carolyn Bertozzi, Beatrice Hicks, Allene Jeanes, and Frances Ligler.  The 45th annual induction ceremony will take place  on May 4, 2017 and is co-hosted by the United States Patent and Trademark Office.

## Intellectal Property Strategy For Artificial Intelligence

March 7, 2017 by Maya Medeiros

WHAT IS ARTIFICIAL INTELLIGENCE?

Artificial intelligence ("AI") is a technical field of computer science that includes machine learning, natural language processing, speech processing, expert systems, robotics and machine vision. The term "artificial intelligence" is sometimes challenged in favor of machine intelligence or machine learning.

Machine learning automates decision making using programming rules and in some cases training data sets. Human subject matter experts can provide feedback on results as part of a training process. Machine learning can adapt its programming based on the training process and feedback. The data can be represented by various graph and network structures. For example, an artificial neural network or neural net is a system designed to process information by simulating the framework of biological brains. Deep learning involves abstract representations of data to optimize the machine learning process. Supervised learning uses labelled training data examples to infer functions that can be used for processing new data. A computer can predict or "guess" the meaning of new data based on the training data set, graph and network structures, and feedback. Reinforcement learning involves rules to control software action in an environment to maximize a reward. Reinforcement learning may not need training data examples with labelled data sets.

Read more

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## The Singularity is Near

March 15, 2017 by Aviv Gaon

*The Imagination Era*

The development of AI began with dreams. Pamela McCorduck has traced several routes to AI: the route of imagination – what might be; the route of philosophical inquiry – the bridge between imagination and what is; and the route of science – AI as it has been realized since the development of computer programming. In the 'imagination era', AI was reflected in the concept of gods that could create non-humans to protect or threaten humans. Stories in Greek and Egyptian mythologies stand as testaments to humanity's imagination. However, such imaginative exercises were only the beginning. From the sixteenth century on, a population explosion of automata took place and what people had perceived as the power of gods (or magic) came to life in the form of toys for rich children who could afford them.[1] The invention of the mechanical duck in 1738 by Jacques de Vaucanson symbolizes the automata stage. The mechanical duck did many things its live counterpart could do, like swing his wings, drink water and eat grain.

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*Aviv Gaon is a PhD candidate at Osgoode Hall Law School. His research explores the question of whether AI creation deserves to be protected by copyright law and, subsequently, to address the current legal discussion considering the standard of copyright protection.*

## Regulation by Machine: Prof. Benjamin Alarie on the Power of Machine Learning

March 7, 2017 by Jacquilynne Schlesier

Oliver Wendell Holmes, Jr. once described the law as nothing more than "prophecies of what the courts will do in fact." If the practice of law is largely an exercise in fortune-telling, Benjamin Alarie believes that computers are very good at reading tea leaves.

Read more

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