



Zaproszenie na „Dzień MATLAB-a”

dla nauczycieli akademickich i studentów PW

Uprzejmie informuję, że w dniu 27 października br. w Politechnice Warszawskiej będzie miał miejsce „Dzień MATLAB-a” w ramach, którego zostaną przedstawione możliwości zastosowań programu MATLAB[®] i Simulink[®]. Wymienione Programy są dostępne dla wszystkich pracowników i studentów PW począwszy od 2017 r. i znajdują szerokie zastosowanie.

Proszę o powiadomienie nauczycieli akademickich oraz studentów Państwa Wydziału o wymienionych niżej spotkaniach, które odbędą się w dniu 27 października br. w Małej Auli GG PW:

- I. **10⁰⁰ – 11³⁰ spotkanie dla nauczycieli akademickich:**
wykład pt. „Accelerating the Pace of Engineering and Science” wygłosi Gareth Thomas z MathWorks, następnie odbędzie się dyskusja

- II. **13⁰⁰ – 16¹⁵ (14³⁰ - 14⁴⁵ przerwa) dwa wykłady Gareth`a Thomas`a z MathWorks dla studentów:**
Pierwszy wykład – zagadnienia:
 - What is MATLAB and Simulink?
 - Share examples of how MATLAB is Used in Industry
 - Machine Learning Hands on ExampleDrugi wykład – zagadnienia:
 - Talk on from Hyperloop Team about how they used MATLAB?
 - Programming Arduino with MATLAB
 - Resources available to get started

Prof. dr hab. inż. Krzysztof Lewenstein

Accelerating the Pace of Engineering and Science

Spotkanie dla wykładowców

10:00 – 10:30	Prorektor ds. Studiów, Prof. dr hab. inż. Krzysztof Lewenstein
10:30 – 11:15	Gareth Thomas: „Accelerating the Pace of Engineering and Science”
11:15 – 11:30	Questions&Answers

MATLAB in Action

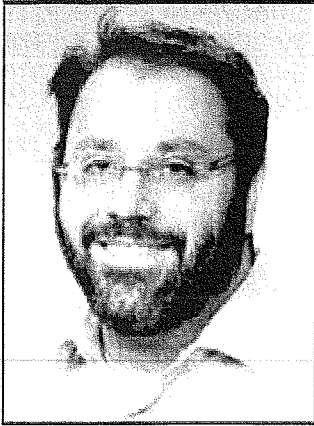
13:00 – 13:15	Powitanie, Prorektor ds. Studiów, Prof. dr hab. inż. Krzysztof Lewenstein
13:15 – 14:30	Gareth Thomas, MathWorks <ul style="list-style-type: none">• What is MATLAB and Simulink?• Share examples of how MATLAB is used in Industry• Machine Learning Hands on Example
14:30 – 14:45	Przerwa
14:45 – 16:15	Gareth Thomas, MathWorks <ul style="list-style-type: none">• Talk on from Hyperloop Team about how they used MATLAB?• Programming Arduino with MATLAB• Resources available to get started

Autonomous technology will touch nearly every part of our lives, changing the products we build and the way we do business. It's not just in self-driving cars, robots, and drones; it's in applications like predictive engine maintenance, automated trading, and medical image interpretation. Autonomy—the ability of a system to learn to operate independently—requires three elements:

- Massive amounts of data and computing power
- A diverse set of algorithms, from communications and controls to vision and deep learning
- The flexibility to leverage both cloud and embedded devices to deploy the autonomous technology

In this talk, Gareth shows you how engineers and scientists are combining these elements, using MATLAB® and Simulink®, to build autonomous technology into their products and services today—to build their autonomous anything by leveraging the latest capabilities in MATLAB® and Simulink® platforms. Topics include areas of big data, machine learning, speeding up simulations and productivity improvement techniques.

Gareth will also program an Arduino during the presentation to illustrate how easy it can be highlighting the resources already available to you.



Gareth Thomas is the Business Development Manager at MathWorks focusing on Academic Business. He aims to inspire people of all ages about technology and how they can use MATLAB and Simulink for learning, teaching, researching and solving problems. He believes the best way to accelerate the pace of engineering and science is partnering, empowering and working with Universities around the world. He joined the MathWorks more than eight years ago as an application engineer focused on automatic code generation for embedded systems and today plays a key role in defining, aligning and implementing the strategy that MathWorks takes in Academia, from a technical and business perspective.

Gareth studied at Instituto Superior Tecnico and has a M.Sc. in control engineering, where he specialized in Obstacle Avoidance for Autonomous Vehicles. Before joining the MathWorks he worked at Nokia Siemens/Altran (Portugal) as a software developer and Oceanscan (Scotland) as a System Integrator.