MATLAB Technologies for Uniwersytet Zielonogórski, Teaching and Research in the Campus

Caner Dogan
Customer Success Specialist

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Your MathWorks Team

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Agenda

- MATLAB Campus-Wide License overview
- MATLAB portal for Individual Use
- License Installation and Management
- Awareness Materials
- Recent Events
- Q&A

Headquarters

Natick, MA USA

North America

United States

Europe

Finland
France
Germany
Ireland
Italy
Netherlands
Spain
Sweden
Switzerland
UK

Asia-Pacific

Australia
China
India
Japan
Korea

5000+ staff

in 34 offices around the world

$1+ billion

in revenues

Privately held

and profitable every year

Campus-Wide License

CAMPUS WIDE LICENSE

More than **6.2 million students** and over **2,100 universities** around the world — *including the top 30 ranked universities* — have unlimited access to MATLAB and Simulink with a Campus-Wide License.

JOB OPPORTUNITIES

82%

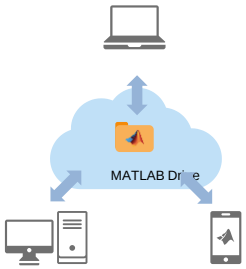
Fortune 100 companies with a MATLAB license

> *"If you want to work at Google, make sure you can use MATLAB"*
>
> **Jonathan Rosenberg**
> Senior Vice President of Products
> Google

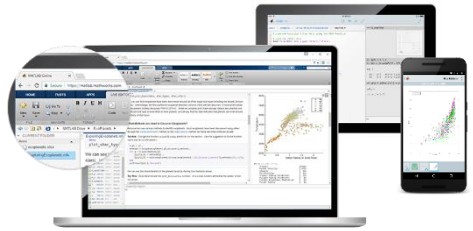
Campus-Wide License Overview

University & lab computers

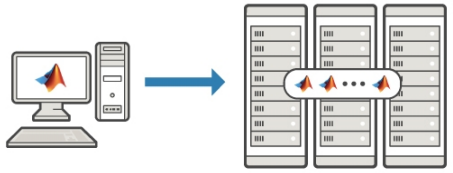
Online access



Cloud storage & sharing

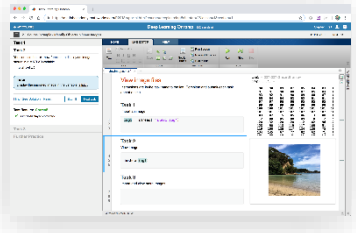


Personal computers & mobile devices

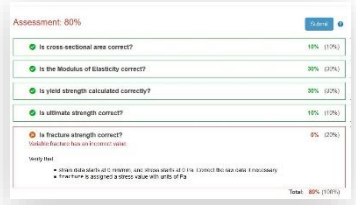


Clusters & HPC

- ✓ Annual license
- ✓ Access to all MATLAB and Simulink products available for academic use (100+ toolboxes)
- ✓ Access to MATLAB Grader
- ✓ Access to self-paced online courses
- ✓ Covers all faculty, staff, students and their devices
- ✓ Access anywhere, any time, on- or off-network
- ✓ Immediate tool access for users via self-serve portal
- ✓ Lower IT administration overhead



Self-paced online learning



Auto-graded homework

Available products

R2022a at a glance

- AI, Data Science and Statistics
- Application Deployment
- Code Generation
- Math and Optimization
- Parallel Computing
- Event-Based Modeling
- Physical Modeling
- Real-Time Simulation and Testing
- Simulation Graphics and Reporting
- Verification, Validation, and Test

Academic Resources
MATLAB Grader
Online Training Suite

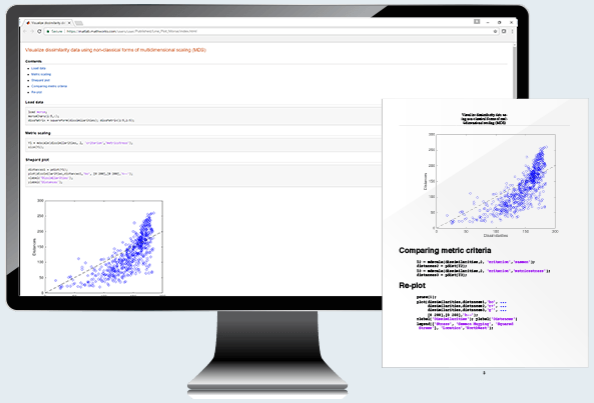
5G Toolbox
Aerospace Blockset
Aerospace Toolbox
Antenna Toolbox
Audio Toolbox
Automated Driving Toolbox
AUTOSAR Blockset
Bioinformatics Toolbox
Communications Toolbox
Computer Vision Toolbox
Control System Toolbox
Curve Fitting Toolbox
Data Acquisition Toolbox
Database Toolbox
Datafeed Toolbox
DDS Blockset
Deep Learning HDL Toolbox
Deep Learning Toolbox
DSP System Toolbox
Econometrics Toolbox
Embedded Coder
Filter Design HDL Coder
Financial Instruments Toolbox
Financial Toolbox
Fixed-Point Designer
Fuzzy Logic Toolbox
Global Optimization Toolbox
GPU Coder
HDL Coder
HDL Verifier
Image Acquisition Toolbox
Image Processing Toolbox
Instrument Control Toolbox
Lidar Toolbox
LTE Toolbox
Mapping Toolbox
MATLAB
MATLAB Coder
MATLAB Compiler
MATLAB Compiler SDK
MATLAB Grader
MATLAB Parallel Server
MATLAB Production Server
MATLAB Report Generator
MATLAB Web App Server
Mixed-Signal Blockset
Model Predictive Control Toolbox
Model-Based Calibration Toolbox
Motor Control Blockset
Navigation Toolbox
Online Training Suite
OPC Toolbox
Optimization Toolbox
Parallel Computing Toolbox
Partial Differential Equation Toolbox
Phased Array System Toolbox
Polyspace Bug Finder
Polyspace Code Prover
Powertrain Blockset
Predictive Maintenance Toolbox
Radar Toolbox
Reinforcement Learning Toolbox
RF Blockset
RF Toolbox
Risk Management Toolbox
Roadrunner
Roadrunner Asset Library
Robotics System Toolbox
Robust Control Toolbox
ROS Toolbox
Satellite Communications Toolbox
Sensor Fusion and Tracking Toolbox
SerDes Toolbox
Signal Processing Toolbox
SimBiology
SimEvents
Simscape
Simscape Driveline
Simscape Electrical
Simscape Fluids
Simscape Multibody
Simulink
Simulink 3D Animation
Simulink Check
Simulink Code Inspector
Simulink Coder
Simulink Compiler
Simulink Control Design
Simulink Coverage
Simulink Design Optimization
Simulink Design Verifier
Simulink Desktop Real-Time
Simulink PLC Coder
Simulink Real-Time
Simulink Report Generator
Simulink Requirements
Simulink Test
SoC Blockset
Spreadsheet Link
Stateflow
Statistics and Machine Learning Toolbox
Symbolic Math Toolbox
System Composer
System Identification Toolbox
Text Analytics Toolbox
UAV Toolbox
Vehicle Dynamics Blockset
Vehicle Network Toolbox
Vision HDL Toolbox
Wavelet Toolbox
Wireless HDL Toolbox
WLAN Toolbox

ACCELERATING LEARNING AND RESEARCH

MATLAB&SIMULINK®

MathWorks®

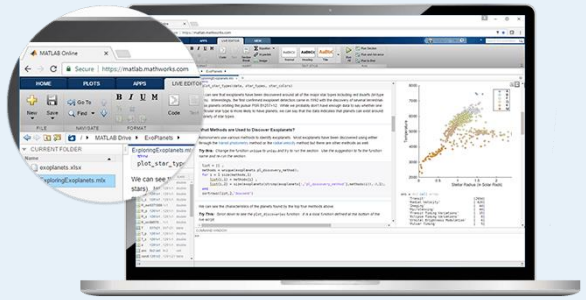
Anytime, Anywhere Access for Faculty, Staff, Students, and Visitors



MATLAB for Desktops

Access MATLAB on personal and university-owned machines

[Visit your university MATLAB portal]



MATLAB & Simulink Online

Access MATLAB & Simulink in a web browser

[Visit matlab.mathworks.com]

MATLAB Mobile

Access MATLAB on iOS/Android devices

GET IT ON Google Play

Download on the App Store

Academic Resources

- Online Courses
- MATLAB Grader

Academic Online Training Suite

Getting Started

MATLAB Onramp

Simulink Onramp

Reinforcement Learning Onramp

Control Design Onramp with Simulink

Signal Processing Onramp

Stateflow Onramp

Deep Learning Onramp

Image Processing Onramp

Machine Learning Onramp

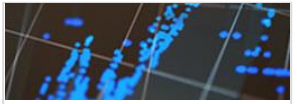
Data Science

Deep Learning with MATLAB

Machine Learning with MATLAB

Core MATLAB

MATLAB Fundamentals



MATLAB for Data Processing and Visualization

MATLAB Programming Techniques

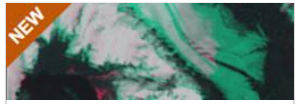
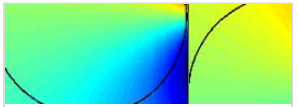
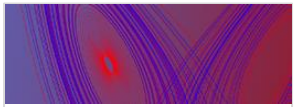


Image Processing with MATLAB

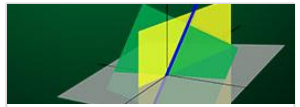
Computational Mathematics



Solving Nonlinear Equations with MATLAB



Solving Ordinary Differential Equations with MATLAB



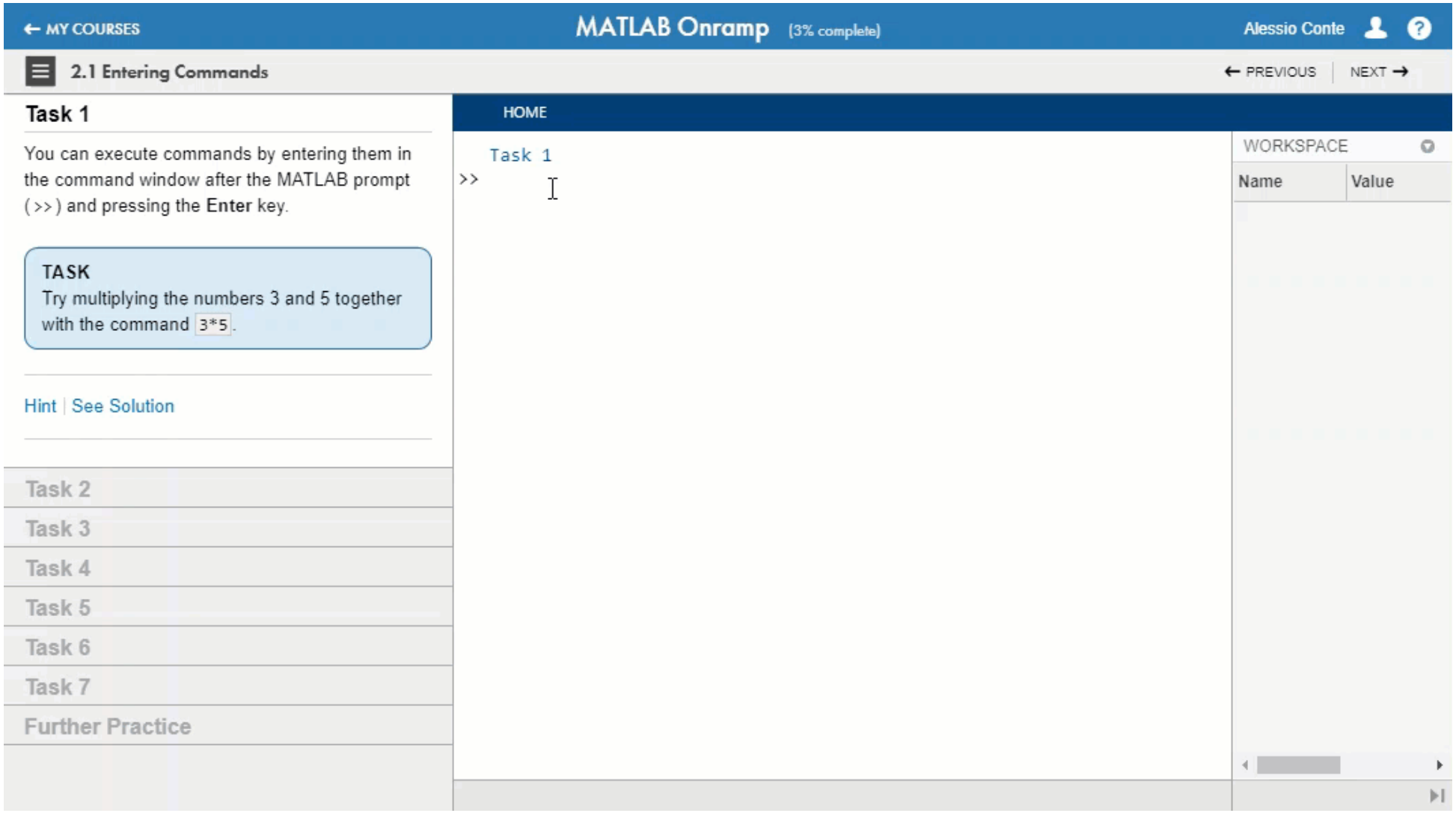
Introduction to Linear Algebra with MATLAB

Introduction to Statistical Methods with MATLAB

Introduction to Symbolic Math with MATLAB

[Visit MathWorks Online Training Portal]

Academic Online Training Suite



Online Training Suite (continued)

Getting Started

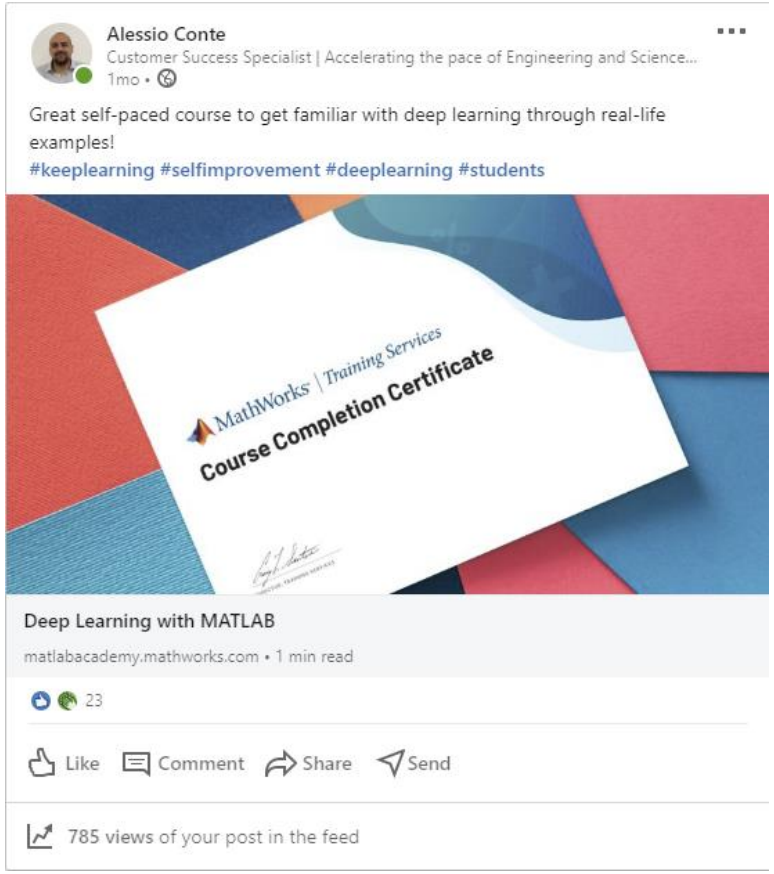
Resume — **MATLAB Onramp**
Get started quickly with the basics of MATLAB.
2% Unlimited access
View/Share Certificate
Settings

Details and launch — **Simulink Onramp**
Get started quickly with the basics of Simulink.
Unlimited access
View/Share Certificate
Settings

Resume — **Machine Learning Onramp**
Learn the basics of practical machine learning methods for classification problems.
6% Unlimited access
View/Share Certificate
Settings

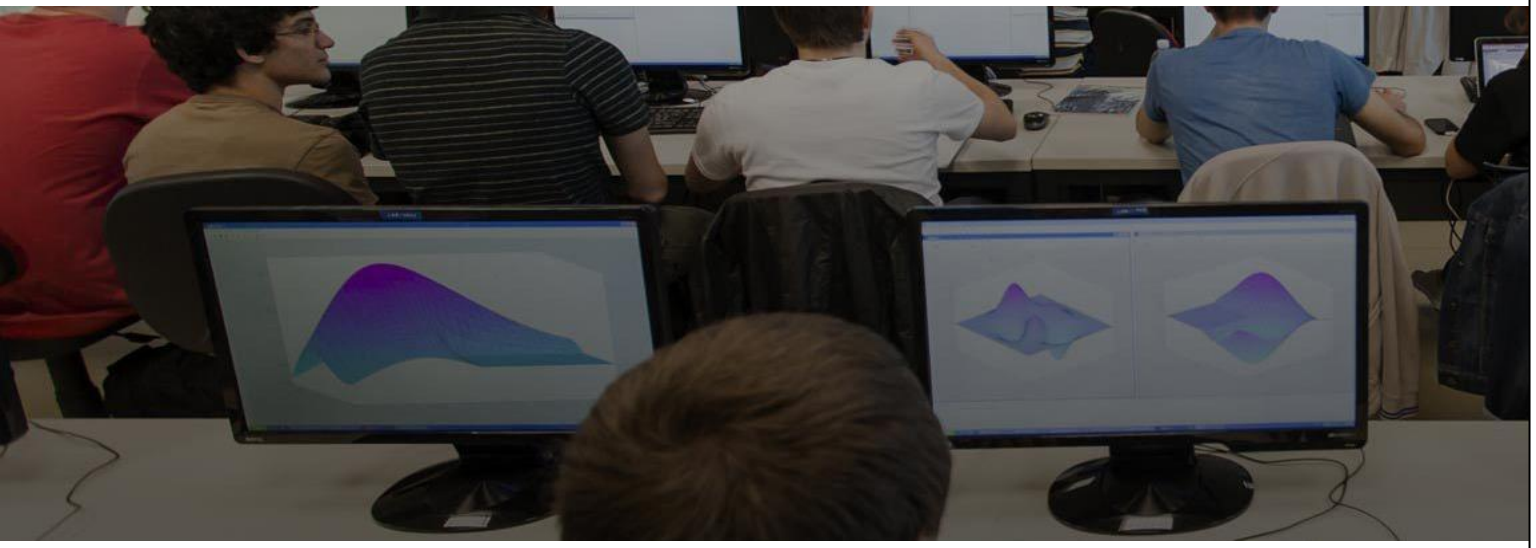
Resume — **Deep Learning Onramp**
Get started quickly using deep learning methods to perform image recognition.
5% Unlimited access
View/Share Certificate
Settings

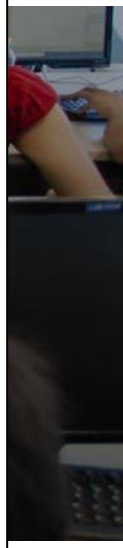
Resume — **Image Processing Onramp**
Learn the basics of practical image processing techniques in MATLAB.
70% Unlimited access
View/Share Certificate
Settings

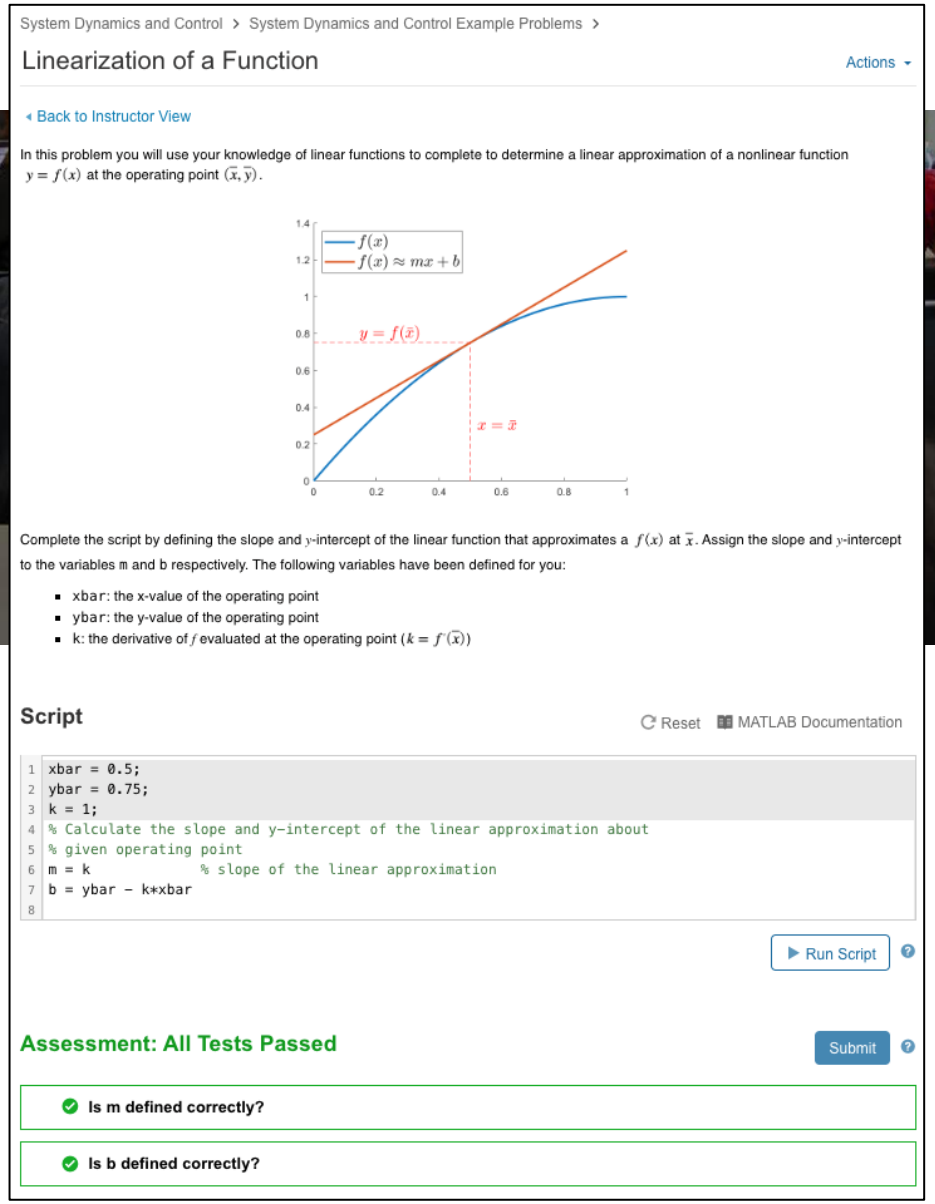


Visit MathWorks Online Training Portal

Online Assessments with MATLAB Grader







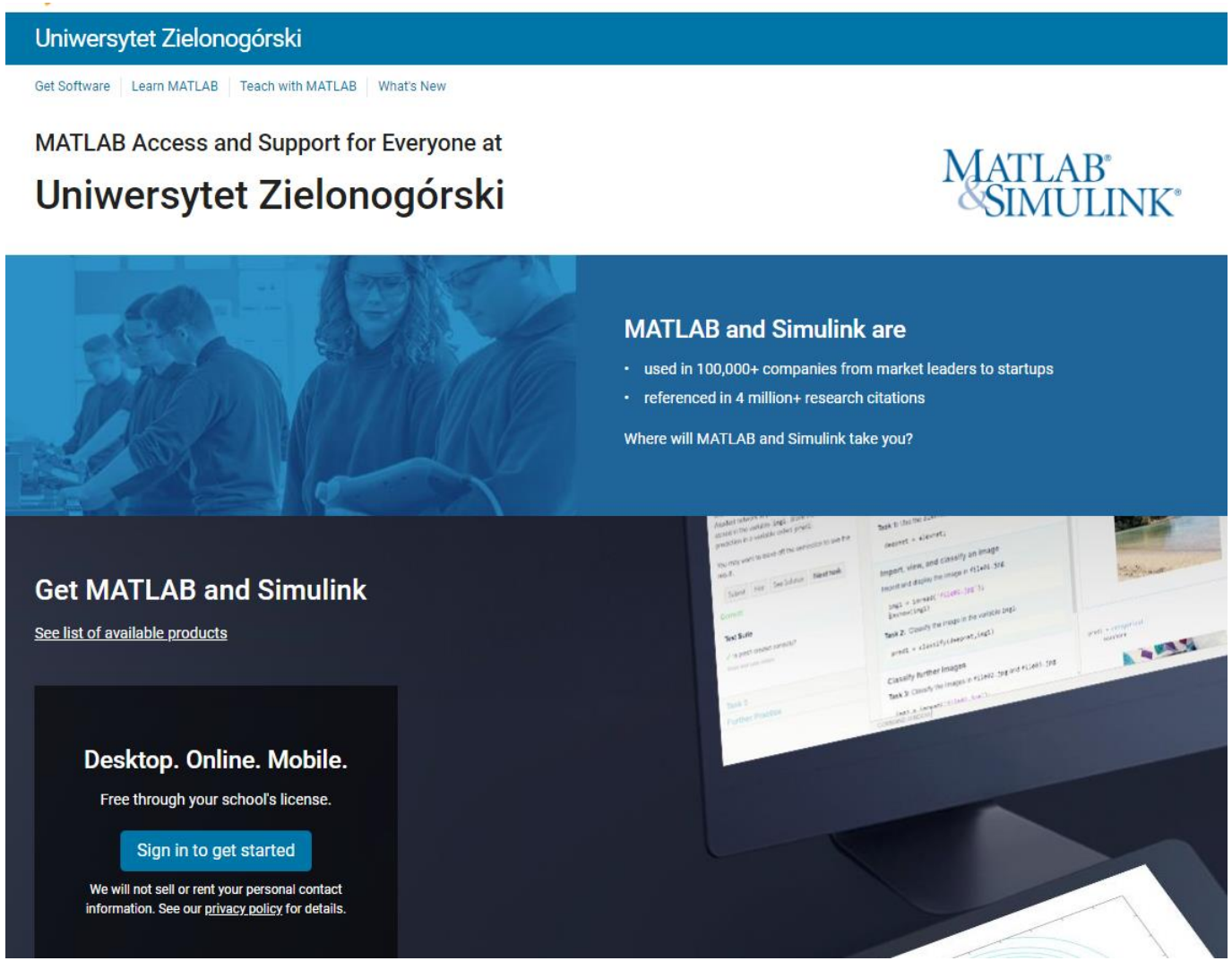
Create interactive course assignments

Automatically grade student work and provide feedback

Run your assignments in any learning environment

MATLAB Grader

MathWorks Portal



- Hosted by MathWorks
- Self-serve solution giving individuals a guided path from login to software download and getting started
- Built-in compliance requires an official university email domain
- Online Training Access
- Teaching material

Uniwersytet Zielonogórski

Customized material ready-to use

MATLAB dla Uniwersytet Zielonogórski

Uniwersytet Zielonogórski posiada licencję uczelnianą MATLABa i Simulinka wraz z rozszerzeniami. Wykładowcy, badacze i studenci mogą wykorzystywać te produkty do nauczania, niekomercyjnych badań naukowych i uczenia się. Licencja pozwala na instalację oprogramowania na sprzęcie uniwersyteckim, a także na komputerach osobistych.

Informacje o MATLABie i Simulinku

MATLAB to środowisko programistyczne przeznaczone do rozwijania algorytmów, analizy danych, wizualizacji i obliczeń numerycznych. Simulink to graficzne środowisko do symulacji i projektowania opartego na modelach wielodomenowych systemów dynamicznych i wbudowanych. MathWorks oferuje około 100 dodatkowych modułów do specjalistycznych zastosowań, takich jak analiza danych i przetwarzanie obrazów.

Dostęp do MATLABa jest możliwy poprzez portal MATLAB: Uniwersytet Zielonogórski

Instrukcje dla użytkowników

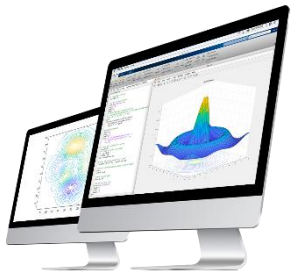
Pobranie pliku instalacyjnego przez użytkownika końcowego

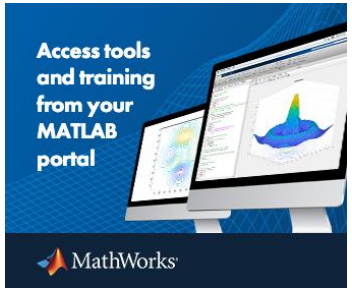
1. Przejdź do Portalu MATLAB, wybierz **'Sign in to get started'** w sekcji **Get MATLAB and Simulink**.
2. Zaloguj się na koncie na stronie MathWorks używając adresu e-mail utworzonego w domenie uczelni.
3. Kliknij przycisk **download** dla wersji, którą ma być zainstalowana. (Użytkownicy mają w tym miejscu możliwość pobrania poprzednich wersji).
4. Wybierz system operacyjny i pobierz plik instalacyjny.

Instalacja i aktywacja

[Download templates](#) (posters, web banners, logos, etc..) and customize for your university/institution or create your own materials with the content provided. Let everyone know they can download and start using the tools today.

MATLAB&SIMULINK®

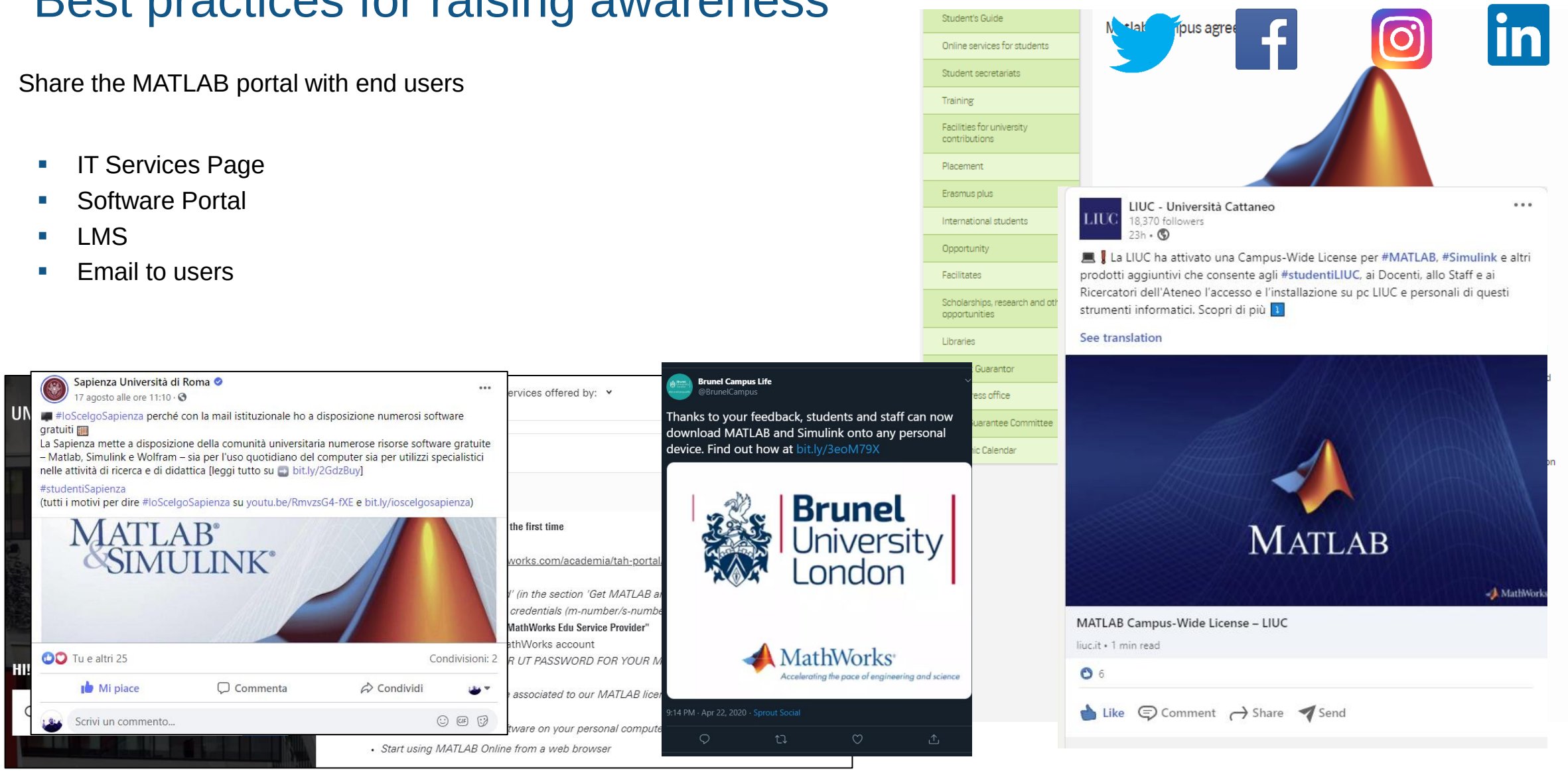




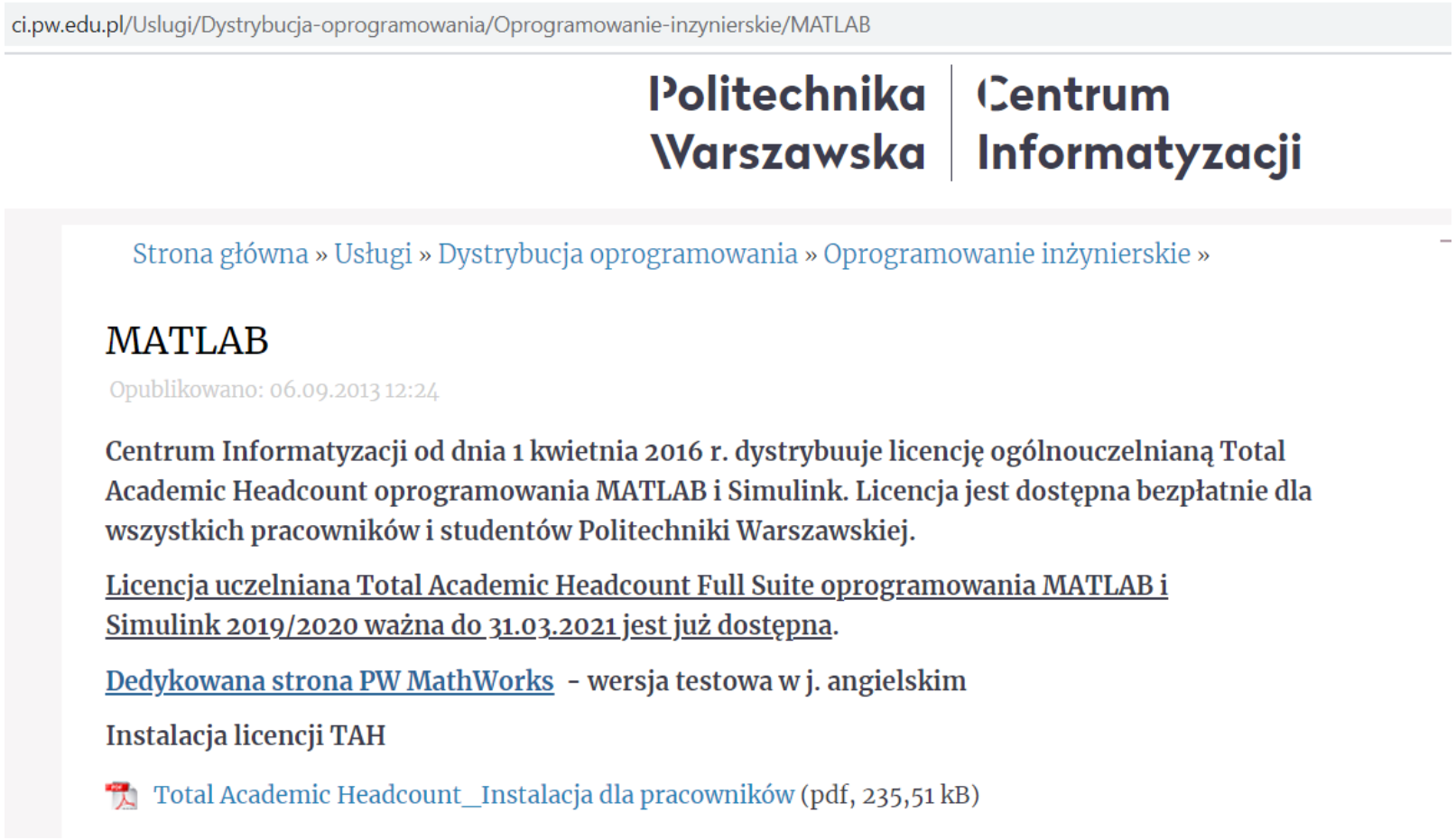
Best practices for raising awareness

Share the MATLAB portal with end users

- IT Services Page
- Software Portal
- LMS
- Email to users



Best practices for raising awareness



ci.pw.edu.pl/Uslugi/Dystrybucja-oprogramowania/Oprogramowanie-inzynierskie/MATLAB

Politechnika Warszawska | Centrum Informatyzacji

Strona główna » Usługi » Dystrybucja oprogramowania » Oprogramowanie inżynierskie »

MATLAB

Opublikowano: 06.09.2013 12:24

Centrum Informatyzacji od dnia 1 kwietnia 2016 r. dystrybuuje licencję ogólnouczelnianą Total Academic Headcount oprogramowania MATLAB i Simulink. Licencja jest dostępna bezpłatnie dla wszystkich pracowników i studentów Politechniki Warszawskiej.

Licencja uczelniana Total Academic Headcount Full Suite oprogramowania MATLAB i Simulink 2019/2020 ważna do 31.03.2021 jest już dostępna.

Dedykowana strona PW MathWorks - wersja testowa w j. angielskim

Instalacja licencji TAH

Total Academic Headcount_Instalacja dla pracowników (pdf, 235,51 kB)

MATLAB Technologies for Teaching Webinars

Webinar for Lecturers

- MATLAB services to support Hybrid Teaching and Learning
- Online teaching tools: MATLAB Online, MATLAB Drive, MATLAB Mobile, Online Training
- Available courseware material
- Should I use my lecture time to teach MATLAB?
- Automatic assessment of MATLAB-based exercise
- Course creation
- Integration with Moodle, Blackboard, Canvas, etc...
- How to provide feedback from distance
- MATLAB Apps, Virtual Labs, Hardware Projects
- Make MATLAB available to your students

To register:

19 May 2022

16 June 2022

Who Should Attend

- Professors
- Lecturers
- Teaching Assistants
- Graduate Students

Getting Started with MATLAB for Computational Finance

MATLAB&SIMULINK

Highlights:

- A quick overview of the MATLAB environment
- Modeling Risks on a portfolio
- Pricing derivatives
- AI for Fraud forecasting
- Application example by Dr. Bogusław Bławat from Kozminski University in Warsaw, Poland on using MATLAB for Empirical Prediction of Default with Corporate Strategy

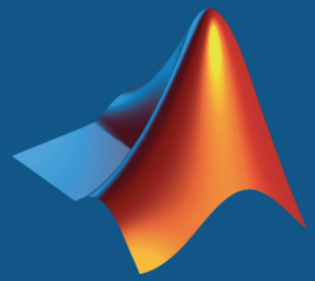
Please use the link below for registration:

Getting Started with MATLAB for Computational Finance

Bogusław Bławat
Expert at Polish Agency for Audit Oversight, Lecturer at Kozminski University

Francesca Perino
Principal Application Engineer MathWorks

MathWorks
Accelerating the pace of engineering and science



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