VUB | mobi | EPOWERS | MathWorks
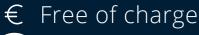
📅 **13 July, 2022** 🕘 09:00 - 13.00 📍 VUB, I.0.02

VUB DOCTORAL SCHOOL SEMINAR

DIGITAL TWIN AND PREDICTIVE MAINTENANCE FOR DRIVETRAINS

International seminar
Organized by VUB & MathWorks
@ VUB & online

🎓 With certificate of attendance
€ Free of charge
🎩 Limited places

SPEAKERS

Dr. Tadele Shiferaw
GUEST SPEAKER
MATHWORKS

SENIOR APPLICATION ENGINEER AT MATHWORKS BENELUX FOCUSING ON PHYSICAL MODELING, CONTROLLER DESIGN, SYSTEMS ENGINEERING AND HARDWARE-IN-THE LOOP SIMULATIONS. IN THIS CUSTOMER-FACING ROLE, TADELE LEADS TECHNICAL ENGAGEMENTS FOR SUCCESSFUL ADOPTION OF MODEL-BASED DESIGN FOR PRODUCT DEVELOPMENT. PRIOR TO MATHWORKS, TADELE WORKED AS A MECHATRONIC SOFTWARE ENGINEER AT PHILIPS HEALTHCARE AND COMPLETED A GRADUATE STUDY IN CONTROL SYSTEMS AND A PHD ON SAFE ROBOTIC MANIPULATION AT UNIVERSITY OF TWENTE, THE NETHERLANDS.

Dr. Edwin Insuasty
GUEST SPEAKER
MATHWORKS

EDWIN IS PART OF THE ACADEMIA TEAM OF MATHWORKS WORKING IN PARTNERSHIPS IN RESEARCH AND EDUCATION WITH THE UNIVERSITIES IN BENELUX. BEFORE JOINING MATHWORKS, EDWIN HAS WORKED FOR SEVERAL YEARS AS A SYSTEMS ARCHITECT AND SCIENTIST IN THE SEMICONDUCTORS, OIL&GAS AND HIGH-TECH INDUSTRIES. EDWIN HOLDS A PHD IN ELECTRICAL ENGINEERING AND A MS IN SYSTEMS AND CONTROL FROM TU EINDHOVEN, THE NETHERLANDS.

Vasco Lenzi
GUEST SPEAKER
MATHWORKS

VASCO IS A SENIOR APPLICATIONS ENGINEER WORKING ESPECIALLY IN THE FIELDS OF PHYSICAL MODELLING AND CONTROL DESIGN AUTOMATION. BEFORE JOINING MATHWORKS IN 2016, VASCO HAS WORKED AS CONTROLS ENGINEER AT THE LIEBHERR GROUP DEVELOPING HIL AND SIL APPLICATIONS FOR DIESEL/GAS ENGINES AND HYDRAULIC PUMPS. VASCO HOLDS A MS IN ENERGY SCIENCES FROM ETH ZURICH, SWITZERLAND.

Prof. Omar Hegazy
HOST & MODERATOR
VUB

PROF. HEGAZY IS A PROFESSOR AT DEPT. OF ELECTRICAL MACHINES AND ENERGY TECHNOLOGY (ETEC), VRIJE UNIVERSITEIT BRUSSEL (VUB) AND MOBI RESEARCH CENTER. PROF. HEGAZY IS THE HEAD OF EPOWERS (EFFICIENT POWER ELECTRONICS, POWERTRAIN AND ENERGY SOLUTIONS) RESEARCH GROUP OF 40+ RESEARCHERS AND EXPERTS WITH STATE-OF-THE-ART LABS. PROF. HEGAZY COORDINATES THE R&D ACTIVITIES IN THIS FIELD IN SEVERAL NATIONAL (FLANDERS-VLAIO & BRUSSELS-INNOVIRIS) AND EUROPEAN PROJECTS.

REGISTRATION: https://www.vub.be/events/2022/digital-twin-and-predictive-maintenance-for-drivetrains

CERTIFICATE OF ATTENDANCE WILL BE PROVIDED AFTER THE SEMINAR