

Erasmus+ KA2

Capacity Building in Higher Education

**«Development of practically-oriented student-centred education in
Cyber-Physical Systems modelling» «CybPhys»**

Official number: 609557-EPP-1-2019-1-LV-EPPKA2-CBHE-JP

Part of

Kharkiv National Automobile and Highway University

Presented by:

Professor Andrii Hnatov

Zoom meeting 12.01.2021

KA2: «CybPhys»

E-Book

Cyber-Physical Systems for Clean Transportation

7.1. Shift towards an increase of (partially) electrically driven transportation (Ku Leuven) **_engl.**

(Joan Peuteman)

7.2. Hybrid and electrical cars (Ku Leuven) **_engl.**

(Joan Peuteman)

7.3. The impact of hybrid and electrical cars on the electrical power grid (Ku Leuven) **_engl.**

(Joan Peuteman)

7.4. Energy-saving technologies in transport (KhNAHU) **_rus.**

(Andii Hnatov)

7.5. Mathematical aspects of multimodal transportation (RTU) **_engl.**

(Elena Pecherska, Nadezda Kunicina)

KA2: «CybPhys»

E-Book

Cyber-Physical Systems for Clean Transportation

7.6. Specifics of applying the project approach to the development of Cyber Physical Systems for Clean Transportation (KNU) **_engl.**

(Natalia Morkun, Iryna Zavsiehdashnia)

7.7. Intelligent information technologies and systems in transport (KNU) **_rus.**

(S. Ruban, V. Tron)

7.8. Intelligent transport systems (Ku Leuven) **_engl.**

(Joan Peuteman)

7.9. EMC related aspects of Cyber-Physical Systems in cars (Ku Leuven) **_engl.**

(Joan Peuteman)

7.10. Road Traffic Cyber-Physical Systems Microsimulation (KNU) **_rus.**

(Vladimir Sistuk, Yurii Monastyrskyi)

KA2: «CybPhys»

Double degree Master's program “Electric Vehicles and Energy-Saving Technologies”

Two new academic disciplines will be developed for the Double degree Master's program:

- Energy-saving technologies in transport;
- The structure of hybrid and electric vehicles.

4 existing academic disciplines will be upgraded:

- Electric systems of environmentally friendly vehicles;
- Methods of planning scientific research on vehicles;
- Mathematical modelling and methods of optimization;
- Intelligent information technologies and systems in transport.

Developing labs:

Laboratory of Energy-saving technologies in transport will be created.



Address: 61002, Ukraine, Kharkiv, Yaroslava Mudrogo St., 25
Kharkiv National Automobile and Highway University

Phone: +38(057) 700-38-52

Mobile: +38(066) 743-08-87

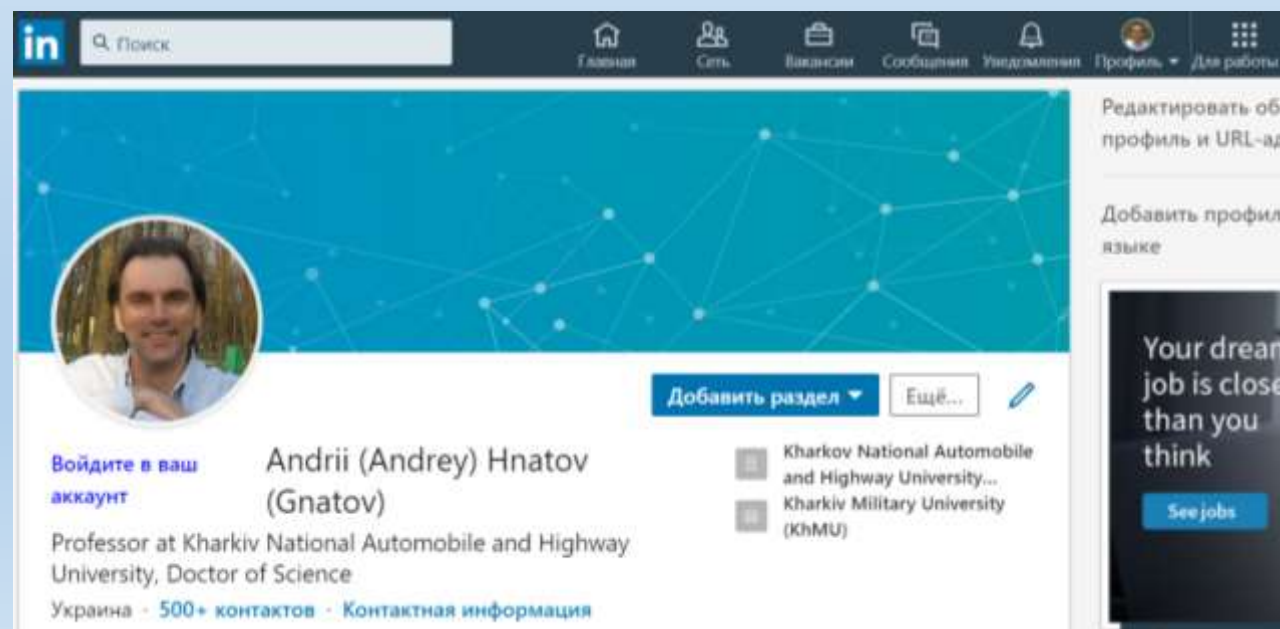
E-mail: kalifus76@gmail.com

Linkedin: Andrii Hnatov

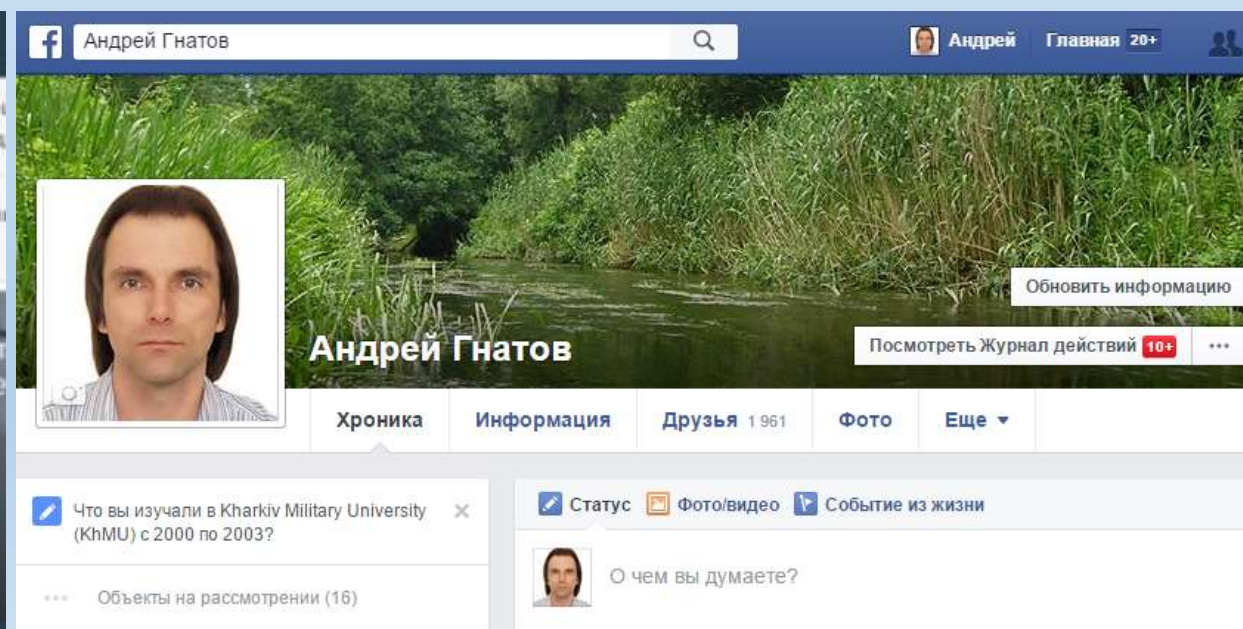


[LinkedIn](#)

[Facebook](#)



LinkedIn profile for Andrii (Andrey) Hnatov. The profile includes a profile picture, a cover image with a network diagram, and a bio: "Professor at Kharkiv National Automobile and Highway University, Doctor of Science, Украина · 500+ контактов · Контактная информация". The education section lists "Kharkov National Automobile and Highway University..." and "Kharkiv Military University (KhMU)".



Facebook profile for Андрей Гнатов. The profile includes a profile picture, a cover image of a pond, and a bio: "Что вы изучали в Kharkiv Military University (KhMU) с 2000 по 2003?". The profile has 1,961 friends and a "Хроника" (Timeline) tab selected.