

Our internship experience in KU LEUVEN CAMPUS Bruges



Co-funded by the
Erasmus+ Programme
of the European Union

Bohdan Shabl'ii



Our students:

Ivan Maksymenko



Roman Kuksenko



Vitalii Kolesnik



*We haven't got Normal photo with this person. He has Positive Test.



WHAT DID I LEARN?

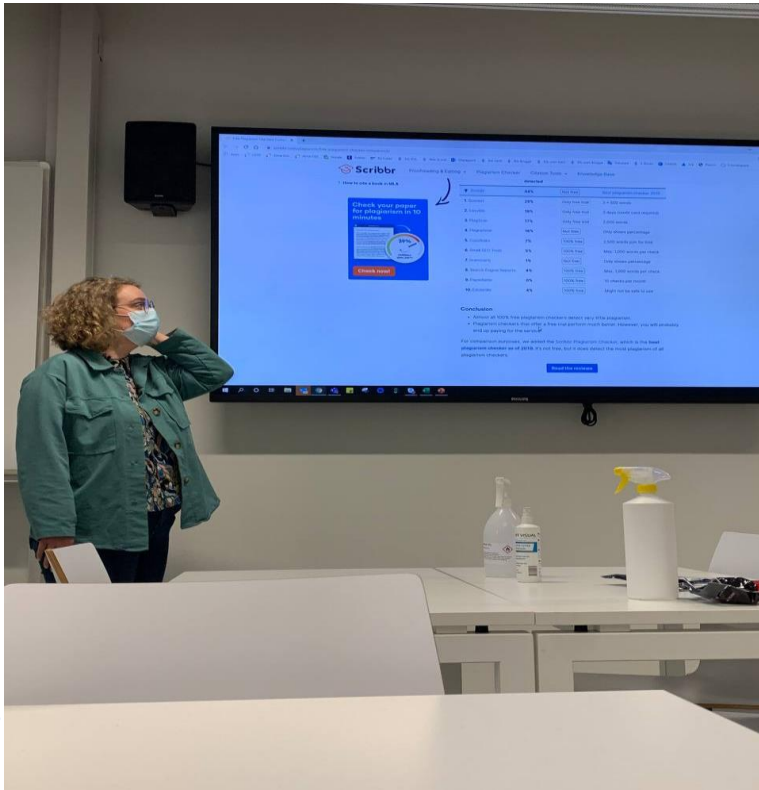
*To be honest, I learned a lot
about what I could not guess*



KU LEUVEN

Academic literature & information literacy

Eef Soete Lianiso librarian - KU Leuven 2Bergen Bruges campus



I identified 3 main facts that helped me to approach the design of work more competently:

- Search strategies
- How to recognize a scientific article
- Plagiarism

Introduction to the use of biodiesel

Joan Peuteman

The need for energy and the use of fossil fuels is increasing.

Most importantly got the skills to make biodiesel in real life



WHAT DID I ENJOY?



I can talk for centuries, but we can't pay for the university for so long. 😊
No matter how trite it may sound, there was not one boring day on this trip.



Maybe some challenges

But most of all, our field trips to practice in other cities will be remembered.

After all, when else will there be an opportunity to wash a box in the North Sea with our friendly team 😊



Excursions



An integral part of the training that Joan has invested has invested a piece of the history of Bruges in us.

Although you are not a tour guide, but in general you are good at talking about baths in ancient times 😊



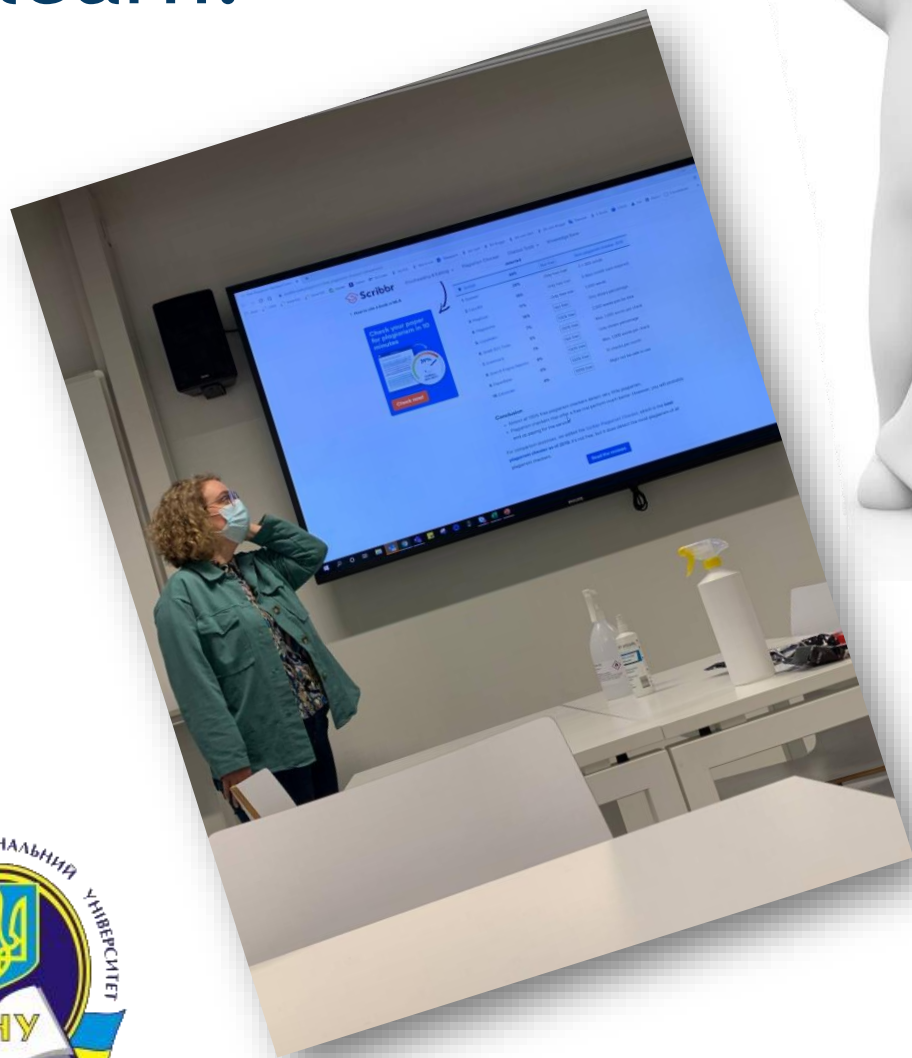
WHAT I DIDN'T LIKE?



Let's be honest, the worst thing that could happen is our departure.

Although no, it's a covid test for 55 euros that significantly worsened our stay here, especially in double quantity

What Did I learn?



Laboratory session: production of biodiesel



Christel Cornelly

There are three types of biofuels

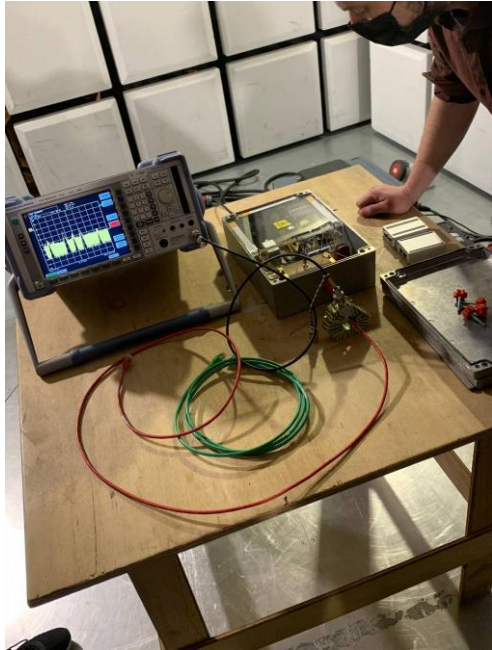
- solid biofuels,
- liquid biofuels,
- gaseous biofuels.



Biodiesel is the most common biofuel in Europe.

A distinction can be made between four generations of biofuels.

Laboratory session on EMC



In this laboratory session, I learned how important grounding and shield.

And just like electromagnetic waves affect the operation of equipment



Automation of the production process



Lab polymers



I also learned my favorite skills....

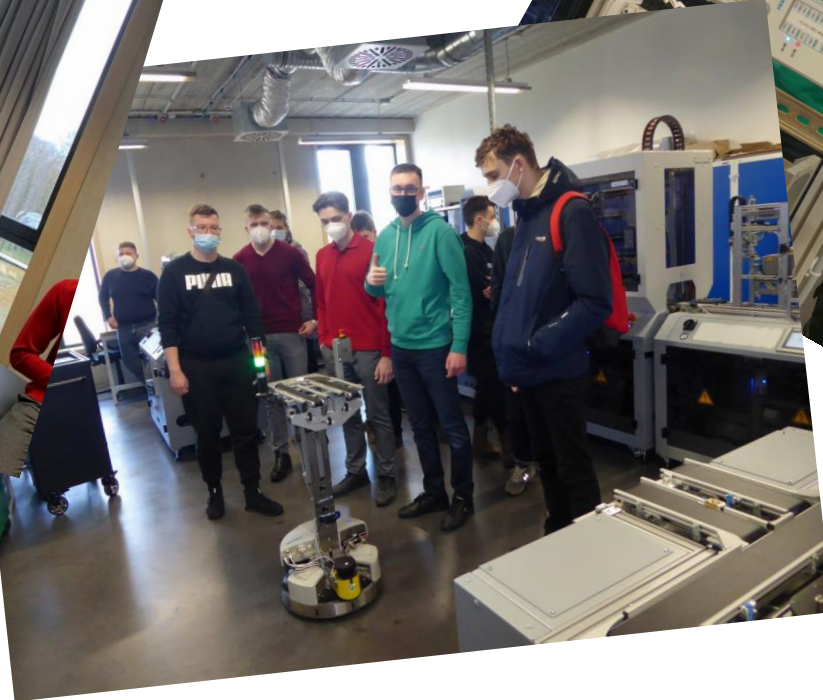


Assemble

Dismantle



What did I enjoy?



I enjoy...



Joan Peuteman

our teachers who are responsible and professionals in their field



Bozheng PANG

each of us



Modern building of this campus

I enjoy...



What did you dislike?

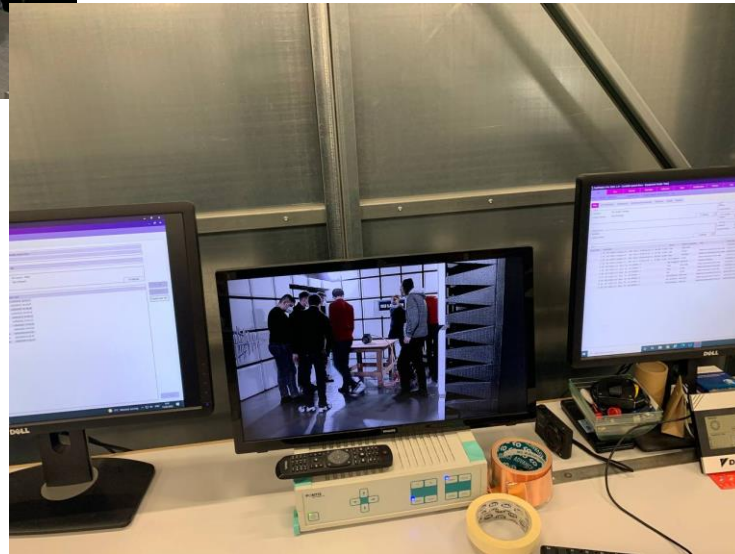
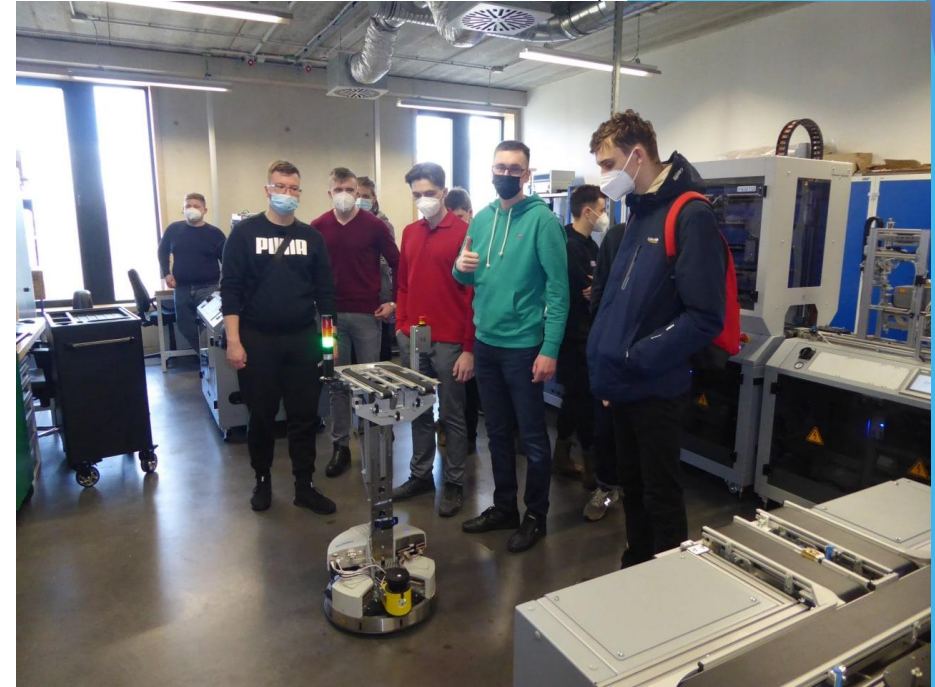


wake up early



Wait for test results

WHAT DID I LEARN?



Wind energy

Wind is used to produce electricity using the kinetic energy created by air in motion. This is transformed into electrical energy using wind turbines or wind energy conversion systems.



Kinetic energy

$$0.5 * m * v^2$$

Kinetic power:

$$0.5 * \rho * A * v^3$$

Wind energy



Offshore
33% of it`s nominal power



Onshore
25% of it`s nominal power

Devices and health

Radiation is a combination of electrical and magnetic energy that travels through space at the speed of light. It is also referred to as electromagnetic radiation (EMR)



Devices and health

Ionizing radiation include x-rays and gamma rays.



Ionizing radiation

Non-ionising radiation (NIR) -include ultraviolet radiation in sunlight, visible light, light bulbs, infrared radiation, microwave energy and radiofrequency energy.



Non-ionizing radiation

Devices and health



WHAT DID I LIKE?

Skills > theory

PhD more interesting



WHAT I DIDN'T LIKE?

Language barrier



What Did I learn?



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20

Filter in databases

Filter by

- Online access (1,240)
- Peer-reviewed (120)
- Open Access

20

CRAAP-test: Can you trust your source?

- Currency
- Relevance
- Authority
- Accuracy
- Purpose



CRAAP-test: Can you trust your source?

- Currency
- How old is your source?

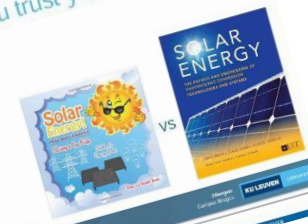
VS

Peer-reviewed

21

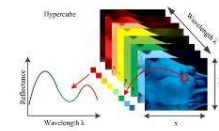
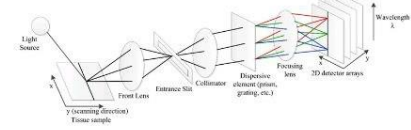
CRAAP-test: Can you trust your source?

- Currency
- Relevance
- Is the source relevant (for your research)?
- Topic, level, audience, ...



KU LEUVEN 20

The way forward Hyperspectral images



Spectral radiance of each pixel in the scene

Specim

KU LEUVEN 21

Light&Lighting Laboratory International network

CIE div. 1, 2 & 3
(Editor D1, Belgian representative in D1 via IBE-BIV)

CEN/TC169

European projects

Academic cooperations

Industrial cooperations: Signify, Technoteam, Jabil, Sabic,

International students
(Argentina, Iran, China, Portugal, UK, ...)

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Light&Lighting Laboratory Teaching

Regular Courses

- Photonics (FIIW, Ma Elo)
- Fibre Optics Communication (Ma Elo)
- Electro-magnetic waves (FIIW, Ma Elo)
- Lighting 1 (FIIW, Ma Energy)
- Lighting 2 (FIIW, Ma Energy)
- Optics (Optometry, HUB)
- Mathematics, Phvsics, Electricitv, Statistics (FIIW)



town hall



Table of contents

- Comic strip series
- Drinking beer
- Ora et labora
- History and tourism
- Making jokes



Making jokes

Flemish people are often **joking** about the Netherlands. People from the Netherlands (the **Dutch**) are assumed to be **greedy**.

Example of a joke:

Four Dutchmen are sitting in
They are sitting together at
They order

- 1 pub,
- 1 table,
- 1 cheap beer (Heineken),
- 4 Dutchmen,
- 4 drinking straws.

Making jokes

How Belgian people think Heineken is produced:



What Did I enjoy?



What I don't like?

ntrum

8000 BRUGGE

Reference number: 2202-06667
Your reference: 22620734480_MOOC

Result	Ref.
Negatief	

Positief: 10e3 - 10e5 copies/ml⁽¹⁾

The result for the SARS-COV-2 virus (COVID19) RT-PCR performed on this person is POSITIVE.

Apr. biol. L. Florin

20:00

Added test by clin. biologis
Added test by treating doct
Changed result: Strongly
Increased ↑ Strongly
Reduced ↓ Strongly

Dr. W. Vandewal
1-0902503-860

Dr. 1-



What I don't like?



THANKS FOR ATTENTION

