



Politechnika Lodzka, Lodz, Polen

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BCI, M. Sc. Process Systems Engineering, 7th Semester

01.10.2019 – 31.03.2020



Politechnika Lodzka | Lodz University of Technology

The Lodz University of Technology is one of the largest technical universities in Poland. The department of molecular engineering is working in the field of plasma technologies, specially in preparing plasma deposited catalysts. My work was focused on photocatalysts for hydrogen production from water with the cold plasma method.

Lodz, Poland

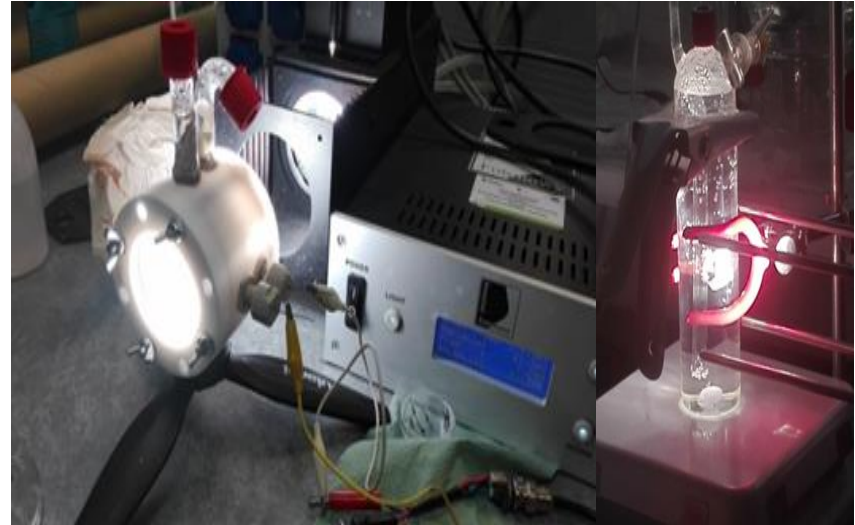
The Lodz city is the Poland's third largest city. During the industrial revolution, the city was known for textile industry with a population of about seven million. Even today, the city area is still densely packed by old industrial structures, which allows the city a charming balancing act of factories and modern design.



Wikipedia, 31.03.2020

Tasks during the traineeship

During the traineeship, I pursued my master thesis about the water splitting to hydrogen over novel plasma deposited photocatalysts. For this, I fabricated the novel photocatalytic systems by the cold plasma deposition method for water splitting. Furthermore, I established the system to evaluate the efficiency of hydrogen production from water over the plasma produced photocatalysts.



- Communication skills
- Analytical skills
- Scientific laboratory skills
- Problem solving
- Plasma technologies

Impression

Overall it was a great experience, especially from the learning perspective. While working with a team, I met persons with different personalities. I realized that while solving complex problems in critical situations in a team, sometimes, it is helpful to understand the situation from a point of view of team members. I understand that it is a win or a loss of a whole team. It is a whole package, in which you can only contribute your role leading to a synergetic effect on productivity. This was the experience that if not changed me, at least, changed my style of thinking. All in all, it is one of the experiences that is filled with prideful moments of my life!



Culture

I found polish culture very rich either it is food or a festival. I tried a variety of polish food and Pierogi was my favorite. In the events, the light festival was a very enjoyable and interesting event. Moreover, I especially like the supportive and appreciative behavior of my team. Supervisors, team members, and even professors didn't hesitate to appreciate, whenever they had a chance. Polish people understand the value of support and appreciation and are very helpful and friendly!



The most surprising thing for me was that one can not buy tickets in bus/tram with cash but by only using a credit card (or alternative). The other thing was that some people may feel hesitant when they meet a foreigner. As a result, you don't receive a smile in return of a smile instead a nervous face. I think it is because when one communicates in English, and the local is uncomfortable in it. It is only my guess and should not be taken as granted. However, I also met people who loved to laugh and spent time with me.

Tips & suggestions for future interns

- Have a back up plan about what should you do, if you no one comes to pick you up on your first arrival.
- Have a contact number beforehand, in case you don't find your dorm on arriving for the first time.
- Have some Polish Zloty before your arrival.
- Learn, at least, the basic Polish language phrases before your arrival to Poland.
- If you are staying in Lodz, attend the light festival.
- In bus, you can not buy the ticket using cash. So, a credit card (or alternative) is a must to have in order to travel by bus/trams.
- During your stay, be flexible in your attitude.



What's Next...

After completing my Master thesis, I will start looking for a job in alternative fuels and energy which was also a focus of my thesis topic during this traineeship!



Acknowledgment

I would like to thank Professor Hanna Kierzkowska-Pawlak, Professor Andrzej Górak, and Professor Jacek Tyczkowski for their full support, valuable suggestions, and guidance. I am especially thankful to my mentor, Dr. Jacek Balcerzak, for all his help and supervision without which this work couldn't be completed. Finally, I also want to thank all the team members for their support, including Dr. Maciej Fronczak, Dr. Jan Sielski, and MSc Ryszard Kapica.

I am greatly thankful to my family and friends for their valuable time in difficult situations, especially, Tahir, Arne, Ewelina, and Małgorzata. I am also thankful to Laura Hope and Kirsten Lindner-Schwentick for their support and guidance, whenever I needed it. Finally, I am thankful to TU Dortmund for sending me on Erasmus+ traineeship program.

