PhD Students Campaign

Forschungs-Neutronenquelle Heinz Maier-Leibnitz (FRM II)

Andrea Voit and Simon Habold

Format

What is it about?

Who? PhD students and PostDocs of the Heinz Maier-Leibnitz Zentrum (MLZ)

Why? We want our doctoral students to have a voice and thus represent the diversity of our employees while also showcasing the variety of work at the MLZ and FRM II

Where? Published on Social Media (Instagram, LinkedIn, YouTube and X)

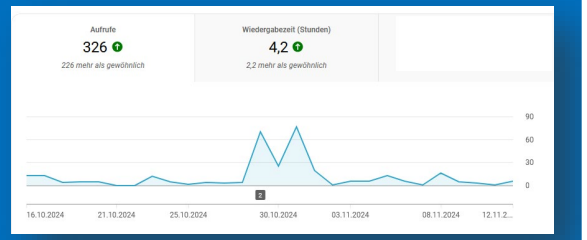
5 Questions:

1	What was your dream job as a child?
2	What are you researching now and what do you enjoy most?
3	What did you study and what brought you to the MLZ?
4	What are your professional goals and plans for the future?
5	What do you want to give young scientists on their way?

Impact

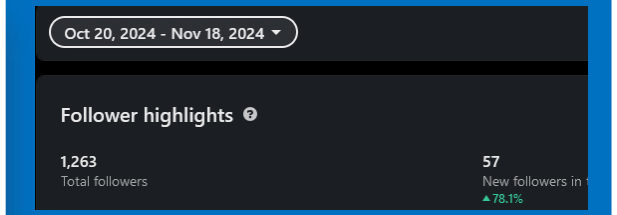
Social Media

YouTube



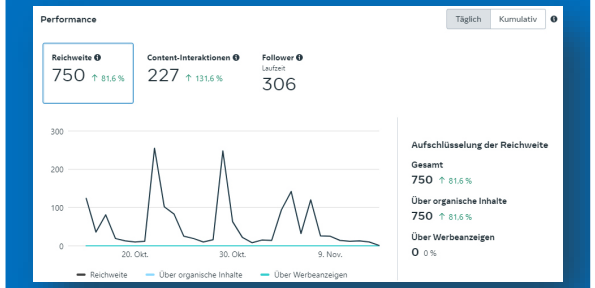
- **226 more views** compared to the previous month

LinkedIn



- **57 new followers** in 30 days (+78%)
- **+21 comments** (250% increase compared to previous month)

Instagram



- **17 new followers** in 3 weeks
- Now **over 300 followers** in total
- **227 content interactions** (+132% compared to the previous month)

X | Twitter

- **4 new followers** in 3 weeks

Learnings

What should you bear in mind?

What you should do:

- Engage students personally for participation
- Respect preferred format (photo interview or video)
- Use Instagram's collaboration feature for joint posts
- Film at students' workplace (lab, office)
- Promote PhD openings via posts
- Hire a professional photographer for portraits

What you should not do:

- Avoid mass emails to all students
- Don't rely on automatic subtitles
- Plan well, avoid last-minute tasks
- Ensure consistent video quality
- Don't use non-professional equipment

Watch our PhD students campaign on YouTube

Special thanks to our working students Elena and Johanna, who carried out this campaign.

Our Socials

@frmii-forschungs-neutronen5405

Forschungs-Neutronenquelle Heinz Maier-Leibnitz (FRM II)

@frm_ii

@mlz_garching

WHAT IS IT ABOUT?

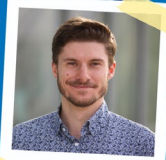
Who? PhD students and PostDocs of the MLZ

What? We want to know what the doctoral students are working on, how they got there and what is still to come in the future

Where? A look behind the scenes at the MLZ, directly at the instruments where our scientists work

Why? We want our doctoral students to have a voice and thus represent the diversity of our employees while also showcasing the variety of work at MLZ

5 Fakten über



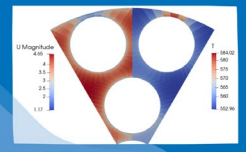
„Auch wenns mal hart ist, bleibt dran und zieht durch, am Schluss zahlt es sich aus!"

JULIUS MERCZ

TUM PhD Student am FRM II

Bachelor in Maschinenwesen & Master in Aerospace an der TUM

- Arbeit im Bereich der Kernmodellierung beim CNSI (Center for Nuclear Safety and Innovation)
  -> Berechnung von Neutronenkinetik & Thermohydraulik
- Schon seit 5 Jahren am FRM II tätig
- Faszination daran, komplexe Themen durch Zerlegen in einzelne Bauteile besser zu verstehen



5 Fakten über

„Wir erforschen das Unerforschte und stellen uns das Unvorstellbare vor! Die Wissenschaft bietet somit eine perfekte Karrierechance in unserer sich schnell verändernden Welt!"

ARNAB MAJUMDAR

Helmholtz-Hereon ZentrumPhD Student am FRM II

Bachelor in Maschinenbau an der NIT Durgapur, Indien
Master in Computer-Aided Conception im Maschinenbau an der RWTH Aachen

- Schon immer Wunsch, Wissenschaftler zu werden
- Erforschung von Wasserstoffspeichermaterialien am SANS-1-Instrument -> Wichtig für den Umweltschutz und eine grüne Zukunft
- Nach dem "zufälligen" Landen am FRM II, hat er nun das Gefühl, zu Hause zu sein und das zu tun, was er schon immer wollte

5 questions for

Fuel research at CNSI

ANNA OBERBAUER

TUM PhD student at FRM II

What are you researching now and what do you enjoy most?

„I work in fuel research. Our group is currently studying the behavior of a monolithic uranium-molybdenum fuel, a promising candidate for conversion to low-enriched fuels. My focus is on optimizing this fuel and exploring possible alternatives. I particularly enjoy laboratory work because it allows me to experiment and explore new approaches."

5 Facts about

„Don't stress too much, because it's okay not to know everything at the beginning!"

THIEN AN PHAM

TUM PhD Student at the FRM II

Material Science at the Georg-August-University Göttingen

- Dream job as a child: professional football player
- Research in the field of materials science, more specifically on lithium-ion batteries
  -> Investigation of the crystal structure of the electrode material by means of elastic scattering
- Application to FRM II due to interest in neutron techniques during the master thesis

5 Facts about

„Even when it gets tough, stick with it and push through —it pays off in the end!"

JULIUS MERCZ

TUM PhD Student at the FRM II

Bachelor's Bachelor in Mechanical Engineering & Master's in Aerospace at TUM

- Work in the field of nuclear modelling at CNSI (Center for Nuclear Safety and Innovation)
  -> Calculation of neutron kinetics & thermohydraulics
- Has been working at the FRM II for 5 years
- Fascinated by better understanding complex topics by breaking them down into individual components

What is the aim of your research?

Our team in fuel research is working on converting the FRM II reactor to a new, high-density, low-enriched fuel. In close collaboration with our French partners, this potential new fuel has been extensively tested and is being further optimized. At the same time, we are working on developing an industrial manufacturing process to ensure successful application in the converted reactor.

What do you want to give young scientists on their way?

„I wish for more young women to find their way into science. Diversity in science is essential, and women can make a significant contribution.

Be open to new things and pursue your interests with passion and confidence!"

5 Facts about

„Don't let it get you down and be aware that in science things sometimes go wrong!"

DR. TOBIAS NEUWIRTH

TUM PostDoc at the FRM II

Physics (B.Sc.) and Applied Physics (M. Sc.) at TUM

What was your dream job as a child?

„From an early age, I enjoyed hands-on work and had an interest in physics. That's why I always knew I wanted to pursue a technical career."

5 Facts about

„We're exploring the unexplored and imagining the unimaginable! So science offers a perfect career opportunity in our fast changing world!"

ARNAB MAJUMDAR

Helmholtz-Hereon Zentrum PhD Student at the FRM II

Bachelor's in Mechanical Engineering at NIT Durgapur, India
Master's in Computer Aided Conception in Mechanical Engineering at RWTH Aachen

- Always wanted to be a scientist
- Researching on hydrogen storage materials at the SANS-1 instrument -> Important for protecting the environment ensuring a green future
- After "accidentally" landing at FRM II, he feels at home and it's exactly what he always wanted to do