Outline

- Greetings
- Welcome address by the director of IF PAN, **Prof. Roman Puźniak**
- Inauguration lecture **Prof. Tomasz Sowiński**

  The photon and its astonishing aptitudes
- Information for new and continuing students:
  - overview, what's new, arrival, Covid procedures, admin, ...
- Student council elections and other business

Overview of doctoral studies in physics

MSD IF PAN

International PhD Studies at IFPAN

*Students who started **spring 2019 or earlier***

Administration run by IFPAN

48 12 8

total 69 PhD students

Running till end of 2023

Warsaw-4-PhD
Warszawska Szkoła Doktorska Nauk Ścisłych i BioMedycznych

PhD School "Warsaw4PhD"

*Students who started **autumn 2019 or later***

Administration run through each institute individually

Some centralisation through Nencki institute

9 institutes, 3 in physics:

40 13 8

physics total: 61 (incl 19 to arrive)

Warsaw PhD School in Natural and BioMedical Sciences

- Nencki Institute of Experimental Biology PAN
  (Administrative Head)
- International Institute of Molecular and Cell Biology PAN

Biology Specialisation

- IFPAN Institute of Physics PAN
- CFT Centre for Theoretical Physics PAN
- IWC Institute of High Pressure Physics PAN

Physics Specialisation

- IChO Institute of Organic Chemistry PAN
- IChF Institute of Physical Chemistry PAN

Chemistry Specialisation

- Maria Skłodowska-Curie National Research Institute for Oncology
- Institute of Psychiatry and Neurology

Medicine Specialisation

Website

www.ifpan.edu.pl/index_en.php

INSTITUTE of PHYSICS
Polish Academy of Sciences

IP PAS | General info | Organizational structure | Activities | Centres of Excellence | Miscellanea | Institute's offer

Library | Journals | Webmail

- Guide to the Institute
- Virtual Tour of the Institute
- Colloquium IP PAS
- Seminars
- Conferences
- Databases at IP PAS
- Public contracts
- Project MagTop
- Project TechMatStrateg
- POIG 1.1.2 - Key Project
- Project EAgLE
- Project Baltic TRAM
- European Structural Funds
- **PhD School**
- **International PhD Studies**
- **ERASMUS Project**
- **Acta Physica Polonica A**

NEWS AND EVENTS

On October 8 at 10:00 in the Auditorium L. Sosnowski will be the ceremonial inauguration of the academic year 2019/2020
08.10, Institute of Physics PAS

The scholarship holder, beneficiary of the Stanisław Ulam competition, NAWA, in the Institute of Physics PAS
27.09, Institute of Physics PAS

Prof. Dr. hab. Roman Puźniak received the prestigious RICMaSS Fibonacci Prize 2019 at the conference *Superstripes 2019, Ischia, Italy, June 23-29, 2019*
28.08, Institute of Physics PAS

Award for Dr. Katarzyna Gas for the best poster at the *11th International Conference on Magnetic and Superconducting Materials (MSM19)* at Seoul National University in Seoul, S. Korea, 17-24 August 2019

28.08, Instytute of Physics PAS

PRESENT SEMINARS

Roentgen seminar
Multicomponent oxide crystals for active media of lasers operating at 1.06 and 1.5 µm
Tuesday, **October 8**, 12:00, Room 203, IP PAS

Biological physics and bioinformatics seminar
Exploring mechanisms of protein-protein and protein-DNA recognition through atomistic simulations
Wednesday, **October 9**, 15:15, Room E, IBB PAS, Pawińskiego street 5A

JOB OFFERS

Postdoc position in solid-state physics
03.10 - 31.10

Professor, specialist in the field of X-ray diffraction (half time job)
17.09 - 15.10

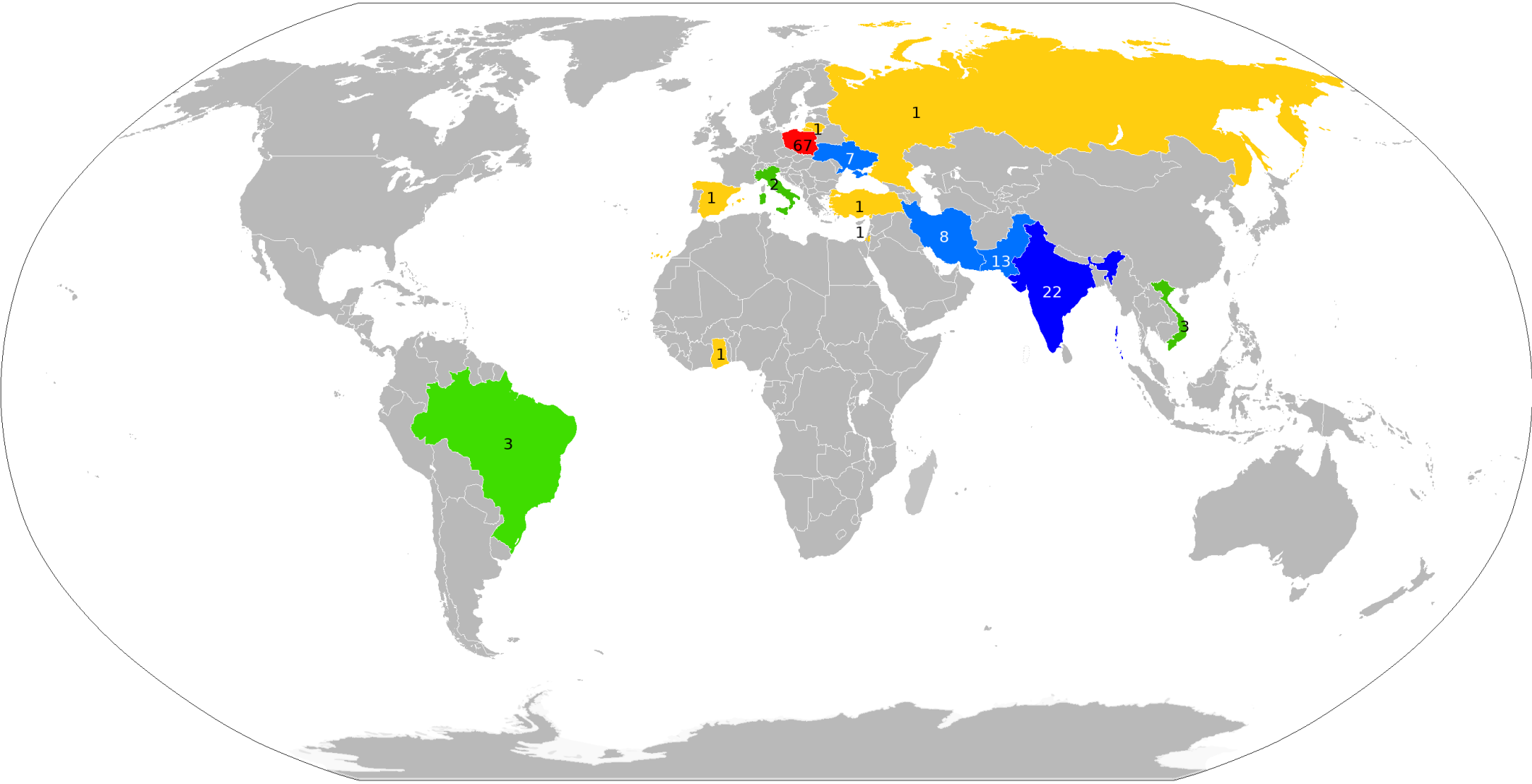
Team Leader
05.09 - 20.10

HR EXCELLENCE IN RESEARCH | EAgLE | Narodowe Centrum Badań i Rozwoju

People – Physics specialisation

- *PEOPLE:*
  - *IFPAN + MSD:*
    - PhD office: Ms Elżbieta Frąckiewicz
      Room 216, Building 1
      sekretariat_msd@ifpan.edu.pl
    - Head: Piotr Deuar
      Room 6, Small house on the prairie (building XV)
      deuar@ifpan.edu.pl
  - IWC:
    - Head: Stanisław Krukowski
      stanislaw.krukowski@unipress.waw.pl
  - CFT:
    - Head: Jarosław Korbicz
      jkorbicz@cft.edu.pl
- *INFORMATION:*
  - *ifpan.edu.pl → PhD School, PhD studies*
  - *warsaw4phd.eu*

Current students (MSD + Warsaw4PhD physics)



Academic Year 2020/2021

- <u>Semester 1</u>
  - Lectures 13 October 2020 → beginning February 2021
  - PhD symposium 2020 : remotely; November *hopefully!*
    - 2nd, 3rd year PhD students present
    - All PhD students bug the speakers with questions. Yes?
- <u>Semester 2</u>
  - Lectures 24 February 2021 → ~ end June 2021
  - PhD symposium 2021 : Summer 2021.
    - Maybe in person? *inshallah!*
- Summer:
  - Yay – just research!

p.s. PhD students have 40 working days of leave per year

COVID

- The much talked about 2nd wave is here.
- Please keep to epidemic regulations. Current summary:
  - Wearing masks: <u>everywhere</u> in public, on the street, in shops, etc,
    <u>At the institute</u>: always in the corridors, grounds, at admin.
  - Wash hands, *ALWAYS* before eating etc.
  - Reduce personal contact, especially with administration. Email!
  - Avoid crowded groups – also at work!
  - Avoid meetings of large groups of persons, don't congregate!
  - If you feel sick: tell boss and OHS officer; DO NOT come to work
  - IFPAN: The Director can delegate you for remote work at home due to epidemic considerations.
- All classes and courses take place remotely.
- Research work on-site is basically unchanged.

COVID: Travel and arrivals at IFPAN

- Travel overseas only for long visits (1 month or more)
- Visitors from overseas only for long visits (1 month or more)
- Anyone coming from overseas:
  - Not to come to work for 10 calendar days. Work remotely.
- New PhD students and employees coming from overseas:
  - The same: do not come to the institute for 10 calendar days.
  - Apart from that, you are “free” to do what you like in Warsaw, meet friends, etc, but please take care when meeting and think twice.
  - To arrange starting work:
    - documents will be sent via PDF etc. via email
    - at home please sign, scan/photo and send back via email
    - if needed (e.g. no way to scan) some documents can be taken to work by supervisors, colleagues, friends.
- There may be some differences of procedure at CFT and Unipress.

To do list for new arrivals (IFPAN)

(more details on website)

- Arrive when you can. We know travel and visas are tough these days.
- You can attend remote classes already.
- After arrival, contact PhD secretariat and supervisors.
- Send filled documents to the PhD office. Most most important ones are:
  - MsC diploma, ID,
  - student oath (determines starting date)
  - ZUS ZUA form (pink colour) to register for social security and health insurance
- Organise medical checkup via the OHS office, PhD secretariat
- Fill out many small forms and stuff. Get an institute email.
- After 10 days: come to the Institute :-)
- Things to get:
  - Student ID: doubles as a place to keep public transport ticket
  - Keycard
  - PhD student status form from the PhD office (useful for further formalities)
  - Sign scholarship agreement (if applicable), get formal scholarship decision.
- Get local bank account
- Overseas students:
  - register place of residence
  - apply for a temporary residence permit
- Prepare 1st year plan
- Get supervisor(s) officially approved by Scientific Council (keep an eye on it).
- There may be some differences of procedure at CFT and Unipress.

Course program

- The lecture list is on the website
- Many subjects continue over 2 semesters
- Core subjects:
    - Intro to Modern Physics & Solid state physics: repeat every year
    - Other core subjects for specialties: repeat in 2 year cycle
- Lectures in other Institutes – on warsaw4phd.eu, or will appear soon?
- Lectures/Seminars outside the School (e.g. University of Warsaw)
- Soft skills courses appear every so often
- *Experimental techniques* course (lab tours) will start when Covid goes away
- Aim to get all the lectures etc. done in the first two years, so you can just do research later.
- Student symposia:
    - Once a year
    - organised by the students
    - In a nice place away from Warsaw, when no epidemics

1st Year plans (new students, PhD school)

- Start on this when you can come to the institute.
- Please discuss with supervisor, then bring to **local head**
  - They'll approve or propose amendments.
- Guidelines at IFPAN (see webpage for details):
  - Which **speciality**? Solid state / atomic & molecular / biophysics

    → affects PhD exam questions after 4 years
  - Choose 2 ±1 lectures per semester
  - Choose Journal club / PhD student seminar
    - Plan to give presentation 1/year
  - Find out what your department seminar is
    - Plan to attend and give presentation 1/year
  - Soft-skills training will be announced as it appears
  - English & Polish classes do not give credit points (ECTS) but may be useful
- After 1 year: prepare ***Individual Research Plan*** for all 4 years.

Reporting / Final exams

- MSD Students:
  - Yearly reports
    - Progress assessed at end of each year
  - Years are “flexible” - counting from your start date
  - <u>Final exams for PhD:</u>
    - If your procedure is already “open” : Old-style exams (Physics, English*, One other subject)
    - All “open procedures” must be closed by the end of 2021
    - Otherwise: new procedure, similar to PhD school, but as an “external” student.
- PhD School:
  - Years are also “flexible” - counting from your start date.
  - half-yearly reports at the end of each semester (set dates)
    - Progress assessed at end of each year
  - Major report after 2 years
    - → Externally assessed “Mid-term examination”
    - IMPORTANT
  - <u>Final exams for PhD:</u>
    - Physics exam (questions from general physics + chosen specialty)
      - questions on the website
    - Need to have a level B2 English certificate or equivalent attestation
      - We’re working on details of the procedure for that

Final thoughts

- Endeavour to enjoy your research. A PhD does not play by “normal job” rules.
    - If you’re not enjoying it, change what needs to be changed.
    - Do not fear to be bold. One has to start sooner or later in this business.
- **Publish!**
    - Be 1st author on some papers
    - Avoid the dreaded *LPU (least publishable unit)*
- Practice public speaking about your research!
    - Academia won’t let you get away from research presentations
- Apply for grants! esp. NCN PRELUDIUM in the 2nd half of your PhD
- Don’t be afraid to contact us
    - Especially if you are having problems!
- Participate in student matters e.g. the student council, committees
- Good luck! May all four physical forces be with you.