HRD-EXPERTISE Internationalisierung: Who owns internationalisation?

Jairo Sinova

22.5.2017 Berlin

Alexander von Humboldt
Stiftung/Foundation

Bundesministerium
für Bildung
und Forschung

DFG

What do we mean by internationalisation?

INSPIRE group
INTERDISCIPLINARY SPINTRONICS RESEARCH

German idea of internationalisation?

A scientist in Munich can adapt easily in Mainz

External idea of internationalisation?

A scientist from Anywhere can adapt easily to the local University

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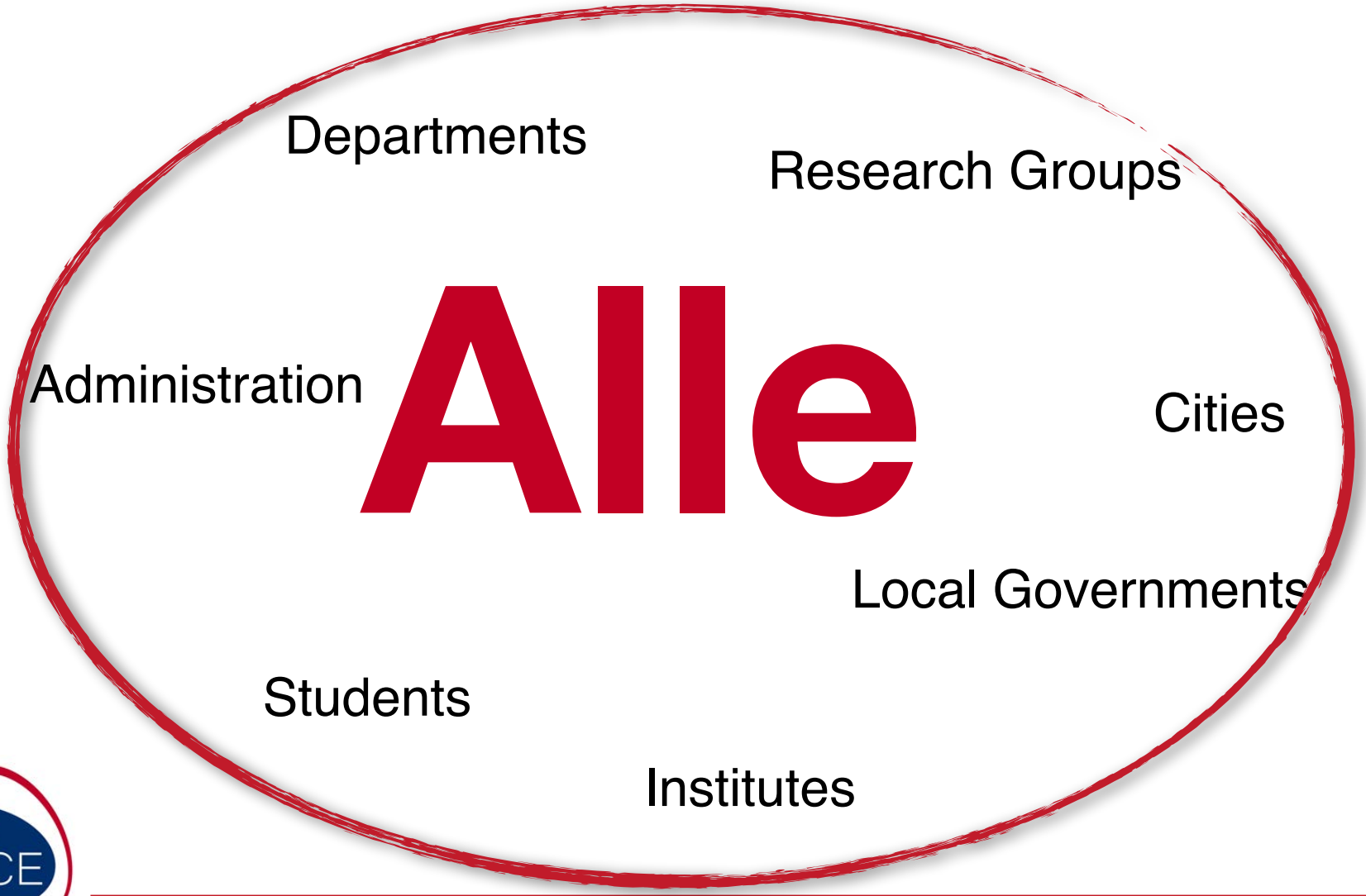
Who does internationalisation belong to?



We do what we preach

15 different Nationalities

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Spin Phenomena Interdisciplinary Center

globally connecting nature, cultures, and people

We want to be the must-visit international meeting point for the top interdisciplinary scientists

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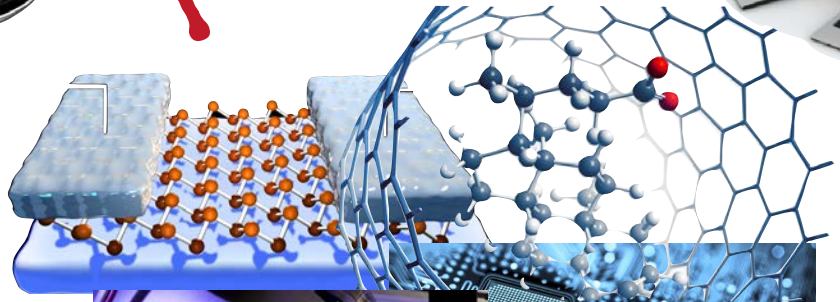
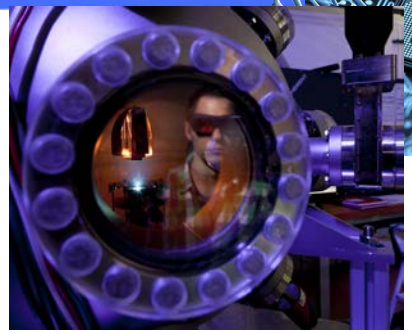
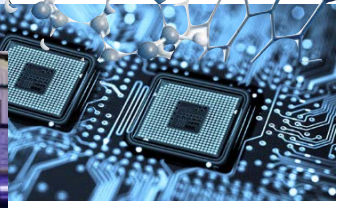
Smart technology from advance materials







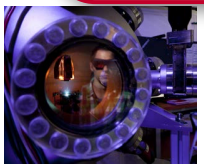
~ 20 Jahre

How to shorten this time?

Discipline 2
2 years

6 years

Discipline 1
2 years



Discipline 4
1.5 years

5 years

Discipline 5
1 year

4 years

4 years

Discipline 3
1.5 years

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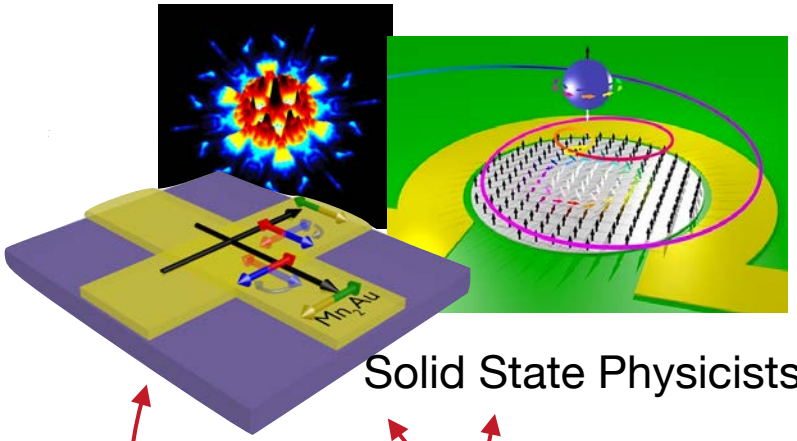
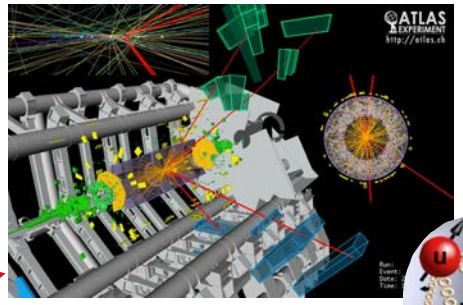
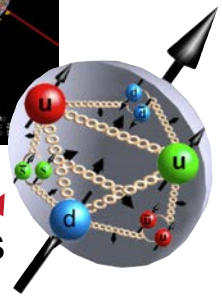
***Mission**: **actively** merge fields researching spin related phenomena*

Spin: the multi connector



Solid State Physicists





High Energy and Nuclear Physicists

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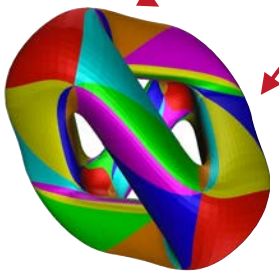
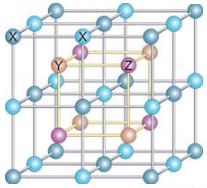
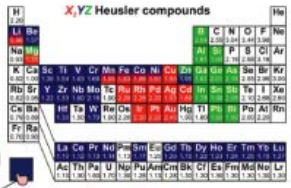
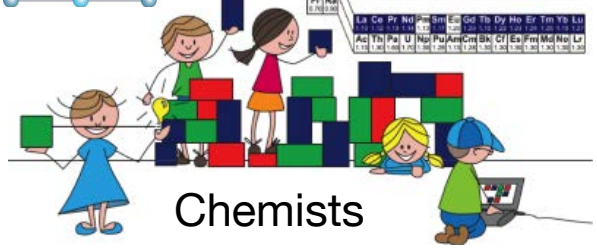


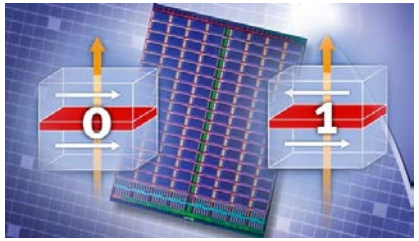
Mathematicians







Chemists



Engineers

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MATERIALS IN MAINZ SCIENCE

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TECHNISCHE UNIVERSITÄT KAISERSLAUTERN

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mitp
Mainz Institute for Theoretical Physics

CINEMA JG|U
JOHANNES GUTENBERG UNIVERSITÄT MAINZ

SPIN+X
SFB/TRR 173
Kaiserslautern • Mainz

G|RC

Cluster of Excellence
PRISMA
Precision Physics, Fundamental Interactions and Structure of Matter

JOHANNES GUTENBERG UNIVERSITÄT MAINZ

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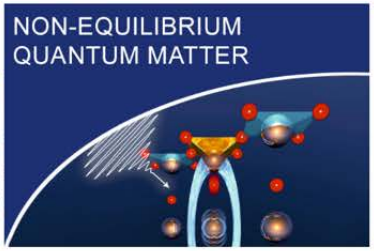
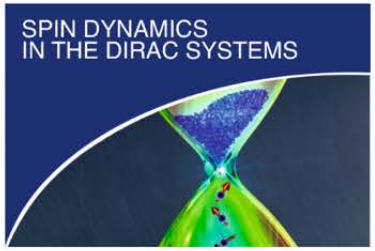
Recent and Upcoming Workshops

May 17–19, 2017, Mainz (Germany)



May 30–June 2, 2017, Mainz (Germany)



June 6–9, 2017, Mainz (Germany)

Programs

» Workshops 2017
» Workshops 2014–16
» Visitor Program
» Propose a Workshop

SPICE Workshops Talks

YouTube

Watch the workshop talks and lectures at the SPICE YouTube Channel

Visitor Information

» How to reach SPICE
» Workshop venues
» Prepare your visit
» Accommodations
» Facilities on Campus

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Collaborating Centers

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SPIN+X SFB/TRR 173 Kaiserslautern • Mainz
MATERIALS IN MAINZ SCIENCE

Yaroslav Tserkovnyak visiting the INSPIRE Group and SPICE Workshops

26.09.2016 – Visit by Yaroslav Tserkovnyak

26.09.2016 – Workshop on Antiferromagnetic Spintronics

21.09.2016 – Quantum Spintronics: Spin Transport Through Quantum Magnetic Materials

26.07.2016 – Shufeng Zhang visits the INSPIRE Group

04.07.2016 – SPICE Team and INSPIRE Group Workshop in Sörgenloch

http://www.spice.uni-mainz.de/

Organizes activities and workshops that foster emergent areas of research that combine and connect the strengths of different fields.

SPIN PHENOMENA INTERDISCIPLINARY CENTER

W

2 YEARS

20 workshops

456 participants

- Learning across the disciplines.
- Promote young researchers.

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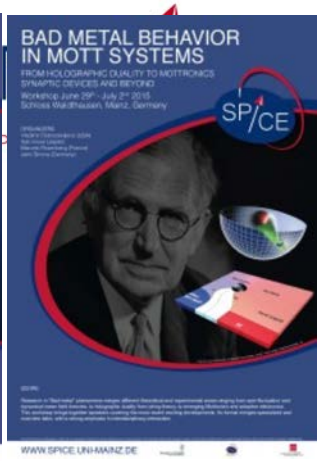
EXOTIC NEW STATES IN SUPERCONDUCTING DEVICES
THE AGE OF THE INTERFACE
SPICE

YOUNG RESEARCH LEADERS GROUP WORKSHOP
SPICE

TOPOLOGY MATTERS
SPICE

SPIN DYNAMICS IN THE DIRAC SYSTEMS
SPICE

NON-EQUILIBRIUM QUANTUM MATTER
SPICE


BAD METAL BEHAVIOR IN MOTT SYSTEMS
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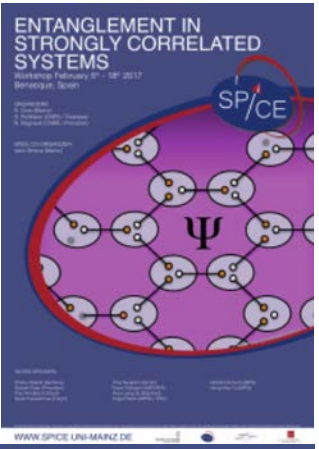
ENTANGLEMENT IN STRONGLY CORRELATED SYSTEMS
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ANTIFERROMAGNETIC SPINTRONICS
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QUANTUM SPINTRONICS
SPIN TRANSPORT THROUGH QUANTUM MAGNETIC MATERIALS
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NEW PERSPECTIVES FOR SPIN-CALORITRONICS
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YOUNG RESEARCH LEADERS GROUP WORKSHOP
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COMPUTATIONAL QUANTUM MAGNETISM
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QUANTUM ACOUSTICS
SURFACE ACOUSTIC WAVES MEETS SOLID STATE QUBITS
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SPIN ORBIT COUPLING AND SPIN MECHANICS
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SPIN TRANSPORT AND SPIN PUMPING IN ORGANICS
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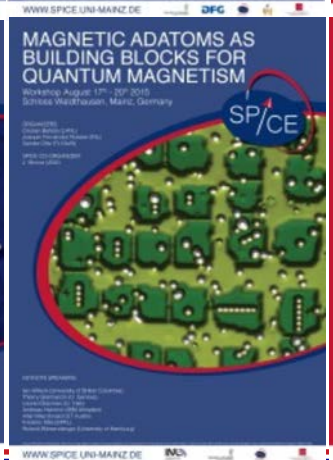
MAGNETIC ADATOMS AS BUILDING BLOCKS FOR QUANTUM MAGNETISM
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YOUNG RESEARCH LEADERS GROUP WORKSHOP
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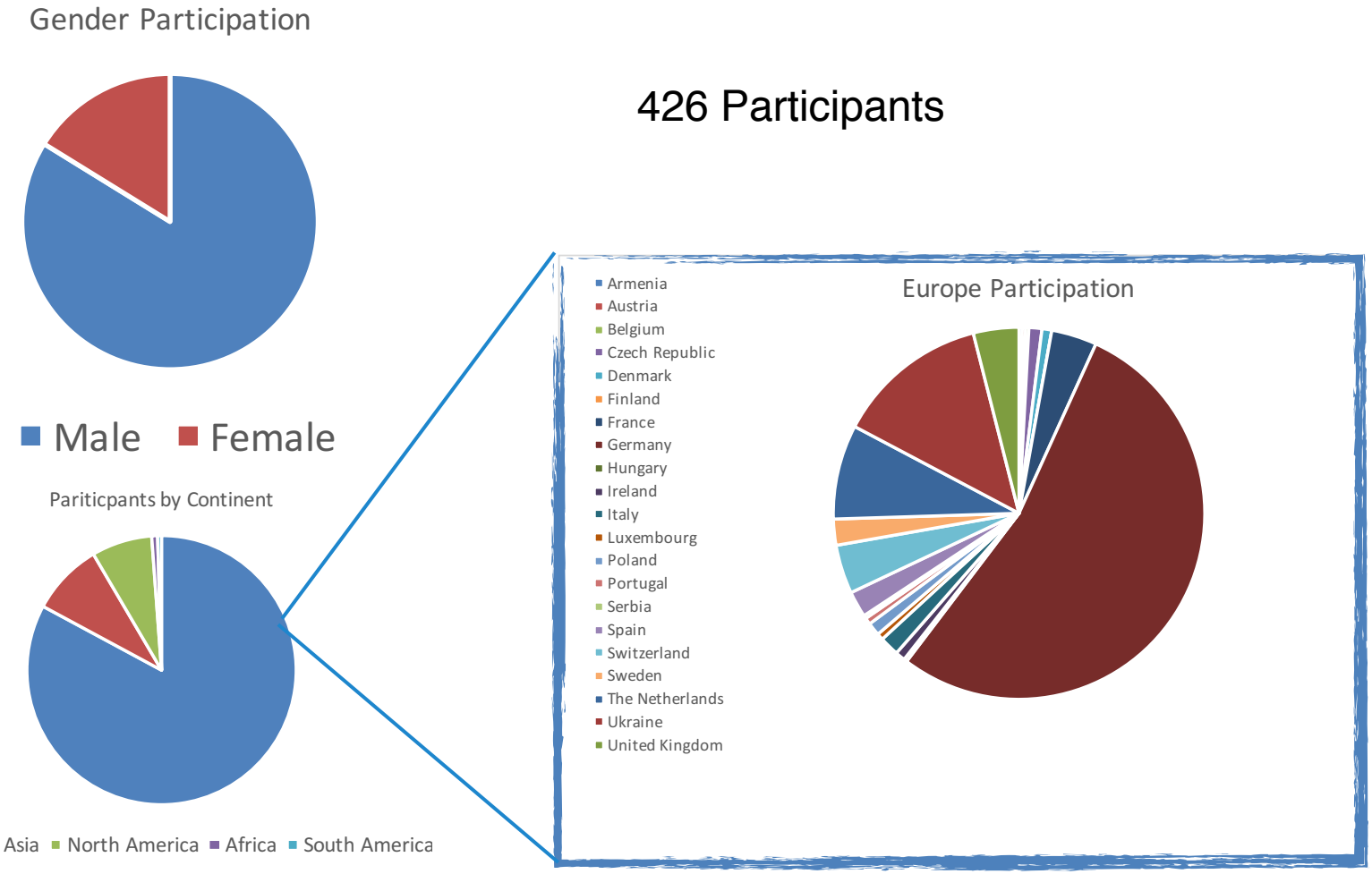
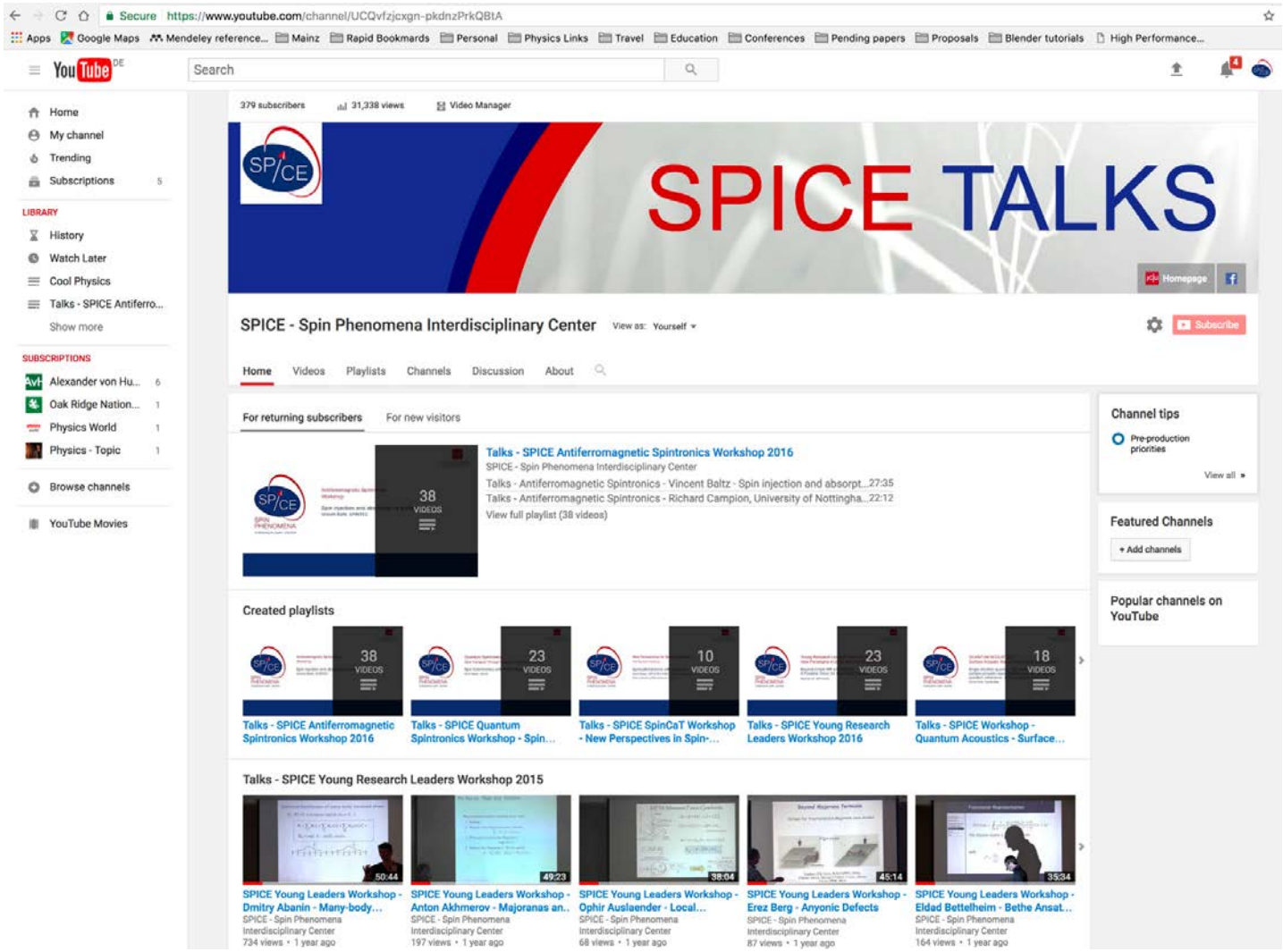
NANOSCIENCE AND QUANTUM TRANSPORT
SPICE
Kyiv 2016
nanoQT

Germany as an international meeting point

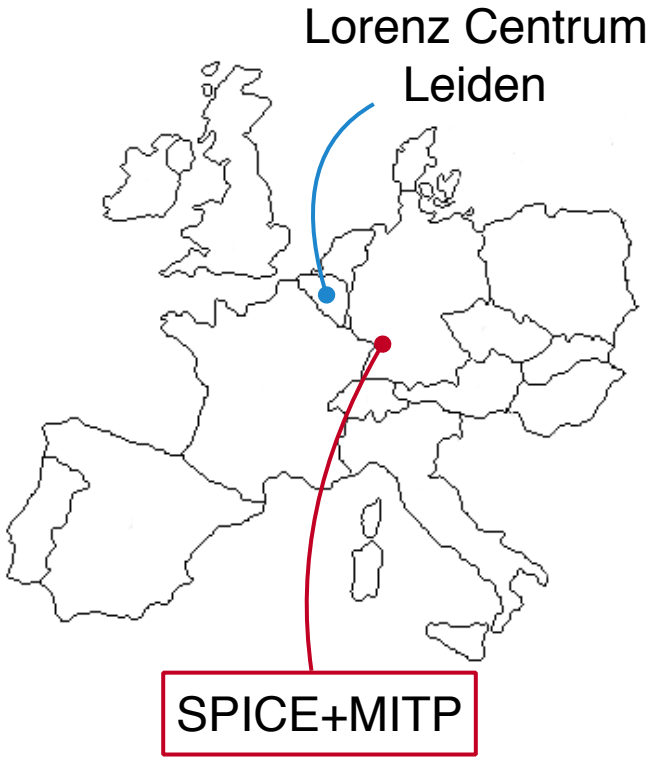




42000 hours (174 days) of watched videos
35000 views, Majority 25-40 years old

Germany, Japan, United States, Spain, Czech Republic, United Kingdom, Inida, France, Netherlands, South Korea, Taiwan, Singapore, etc.

THE NEED FOR SUCH A CENTER



Germany does not have such a permanent centre that competes with KITP and Lorenz

Fulbright-Cottrell Scholars Program

INSPIRE group
INTERDISCIPLINARY SPINTRONICS RESEARCH

Excellence in Teaching and in Research: the end of the zero sum game

The ideal standard benchmark for the new German Tenure-Track System

Mission Statement

The Cottrell Scholars Collaborative aims to promote, develop, and implement the integration of transformative scientific discovery with teaching of science at U.S. colleges and universities.

COTTRELL SCHOLARS COLLABORATIVE
Integrating Discovery and Education to Advance Science

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Facilitate Internationalisation and Leadership Training

"Expert Panel Perspectives on German Higher Education in Transition: Challenges and Opportunities in Establishing a German Tenure-Track System" *Sinova (JGU Mainz, Moderator), Bruder (TU Darmstadt), Hassenbach (BMBF), Müller-Stach (JGU Mainz), Ritter (MPI-Muelheim), Wanner (KIT)*	
14:30 – 14:45	**The Evidence Behind Evidence-based Teaching & Integration of Research & Education** *Prof. Feig (Wayne State University)*
14:45 – 15:45	**Panel Discussion: Is a Teacher-Scholar Model Desirable/Possible in Germany? Can it be the Model for the New German Tenure-Track System?**
15:45 – 16:15	**Break**
16:15 – 16:30	**Advancing Teacher-Scholars Through Leadership Training** *Prof. Hernandez (Johns Hopkins University)*
16:30 – 17:30	**Panel Discussion: Reimagining the Teacher-Scholar model in Germany: Leadership Development and Transformation Opportunities**
17:30 – 18:00	**Break**
18:00 – 19:00	**Panel Discussion: Implementation of the New Tenure-Track Systems in Germany: Policy Challenges and Strategies**
19:00 – 20:30	**Reception at Kupferberg Terrasse** *Prof. Müller-Stach (JGU Mainz)*

Fulbright-Cottrell Bridges to Germany Workshop

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What next?

INSPIRE group
INTERDISCIPLINARY SPINTRONICS RESEARCH

What we provide

- A world recognised established reputation
- Interdisciplinary (all areas covered)
- Perfect location for international workshops
- Unique programs (diversity and young talent)
- Established facilities (MITP)
- Established Global WebPresence

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