



# SUPERCOMET 2

## Who we are:

- Dr. Hermann Deger (Highschool teacher, München)
- Prof. Dr. Raimund Girwidz (Prof., Physics Education, Pädagogische Hochschule Ludwigsburg)
- Prof. Dr. Leopold Mathelitsch (Prof., Theoretical Physics, Universität Graz)
- Sylva Poks (Highschool teacher, München)
- Dr. Gerhard Rath (Highschool teacher, Graz)
- Bernadette Schorn (Scientist, Universität München)
- Dr. Ulrich Strobel (Highschool teacher, Stuttgart)
- Susanne Wiedemann (Highschool teacher, München)
- Prof. Dr. Dr. Hartmut Wiesner (Prof., Physics Education, Universität München)

## Our interests in the SUPERCOMET project:

- Translate the SUPERCOMET material into the German language and adapt it to the curriculum
- Develop additional material useful for the SUPERCOMET project (experiments, tutorials)
- Visualize connections between reality and theoretical model
- Using superconductivity for a deeper understanding of basic electricity
- Testing the SUPERCOMET material in German schools and universities
- Research on learning with illustrations and dynamic visuals
- Integrate the SUPERCOMET material in the internet based in-service teacher training "milq"

## Competences we can offer:

- Development of multimedia teaching material
- Experiences in empirical research
- Experiences in teaching superconductivity in secondary schools
- Production of high temperature samples with students

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