

Research group of

Plastics and Elastomer Technology

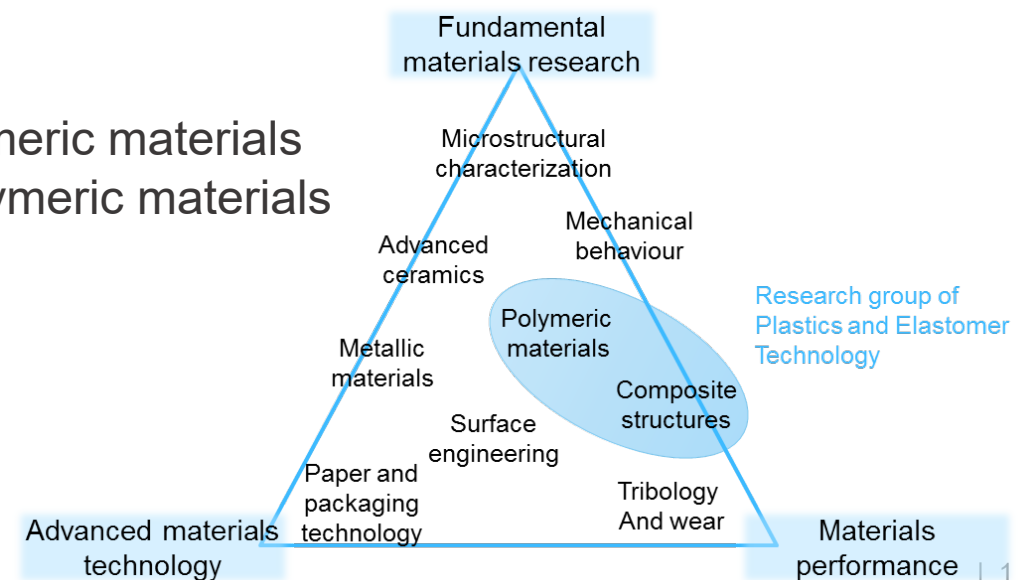
(Muovi- ja Elastomeeritekniikka)

The sub-unit **Engineering Materials Science**,
Faculty of Engineering and Natural Sciences,
Tampere University, Finland

LUJITEMUOVISEMINAARI 2022

Plastics and Elastomer Technology

- Field: **Polymers and polymer composites for industrial applications**
- Academic research focus: **The interface between reinforcement or functional fillers and the matrix ('polymer')**
- Core competence areas:
 - Characterization of physical and chemical properties of polymeric materials
 - Testing of mechanical-wear-thermo-electric properties of polymeric materials
 - Processing of thermoplastics
 - Numerical modelling of interfaces and fracture
- Professors (assoc.): **Essi Sarlin and Mikko Kanerva**



Projects form the basis of existence

Education

Networks, society

Projects - research

People

FibreNet 



PLASTin



CERTIFICATION OF ADHESIVE
BONDED REPAIRS FOR PRIMARY
AEROSPACE COMPOSITE
STRUCTURES (PATCHBOND II)



Wind of change

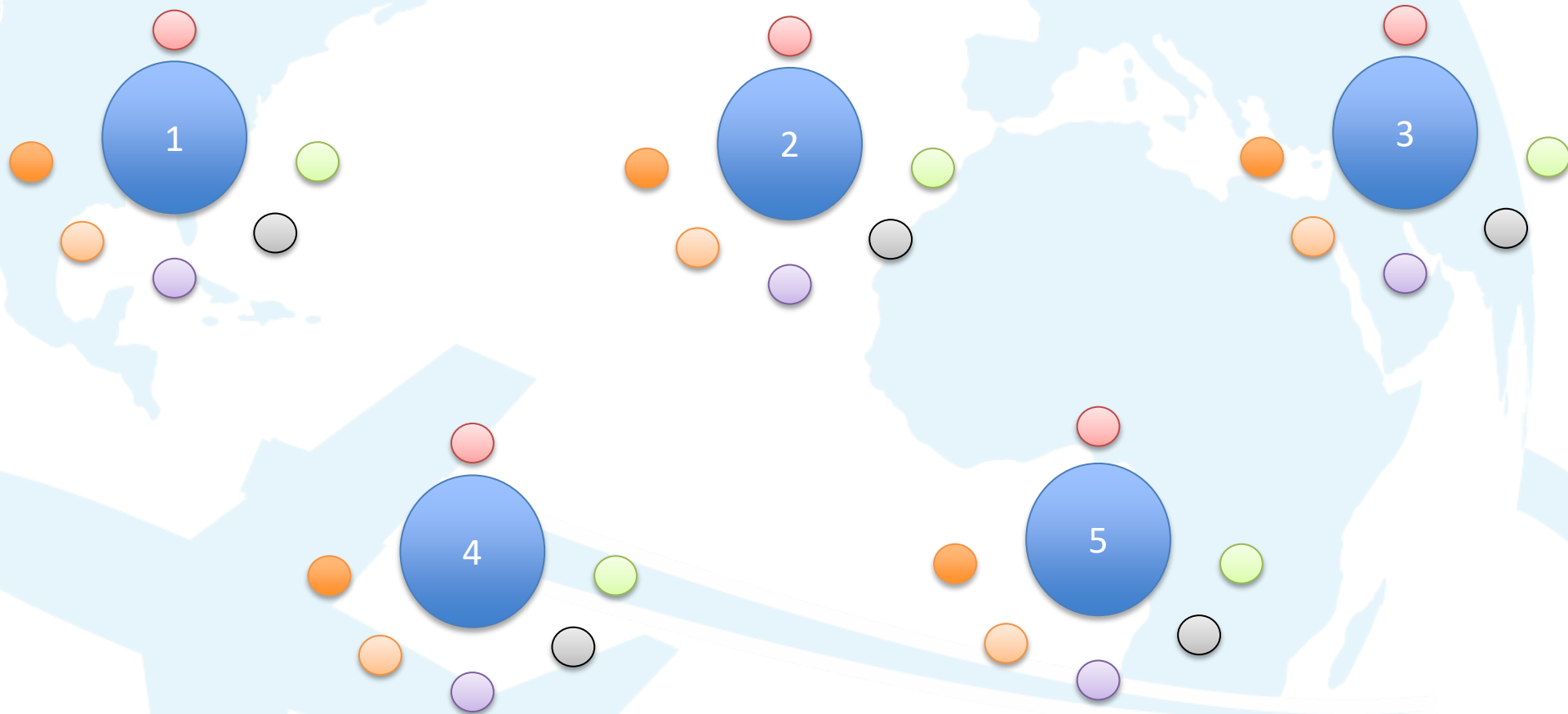
- More and more students outside Europe (outside Finland) are involved in PhD studies
- The same change is happening on M.Sc. level
- More and more women are interested in (technical) university studies

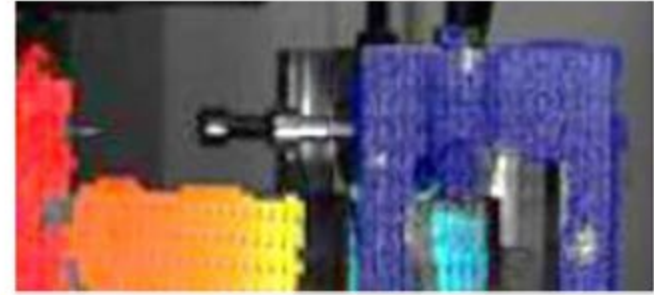
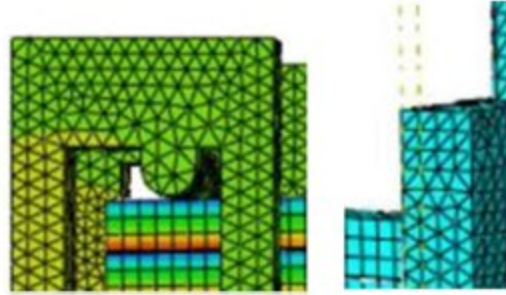
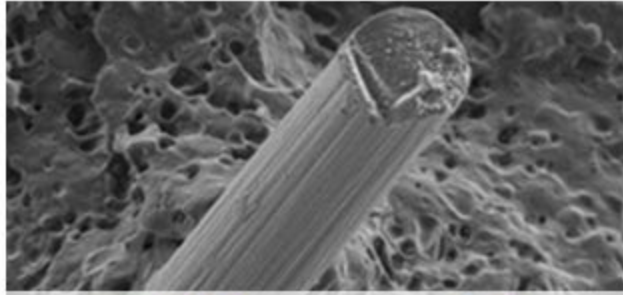
(ICAS) Speed Mentoring

- Yleinen menetelmä mentoroida ja jakaa tietoa sekä muodostaa ideoita nopeasti suuressa joukossa
- ICAS käyttää tätä menetelmää globaaleissa kongresseissa mentorointiin
- “Mentori” aloittaa keskustelun ja johdattaa keskustelun teemaan (tällä kertaa yliopiston henkilö)
- Osallistujat jaetaan useisiin pöytäryhmiin, jolloin yhteen pöytään tulee aina yksi mentori
- Kunkin pöydän kokoonpano vaihdetaan (10 min) sykleissä



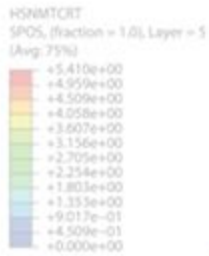
Ryhmittäminen



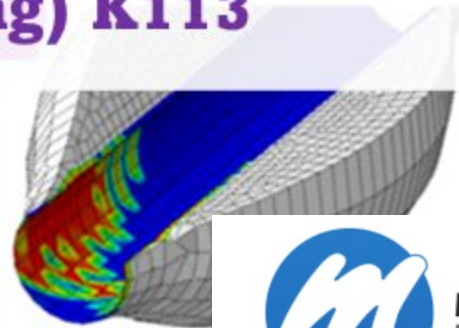
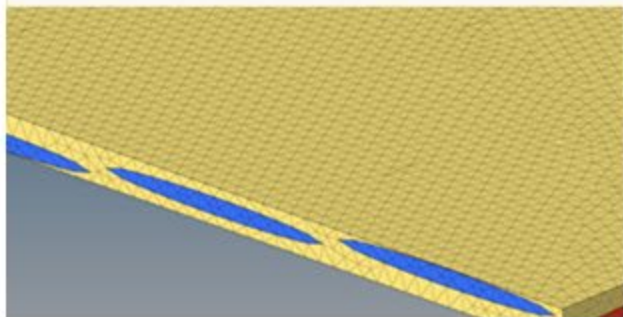


Plastics and Elastomer Technology

Research for composites – seminar



14.10.2022 Tampere (center, Linna-building) K113



MUOVITEOLLISUUS RY
Finnish Plastics Industries Federation