



Center of Excellence in Functional Materials

Scientific Advisory Board Meeting
23-24.05.2012
www.funmat.fi



Center for Functional Materials





Our Vision

We believe that new functional materials will enable the printed intelligence revolution

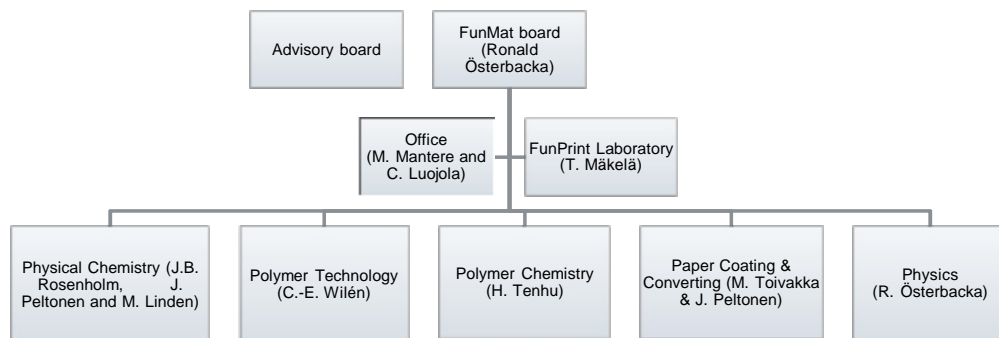
Our Mission

To create and demonstrate new functionalities for future interactive products by combining advanced chemistry and complex materials with printing technologies.

Key Objectives

- Excellence and innovativeness in research
- Highly inter- and multidisciplinary approach to research
 - Strong national and international networking
- To be the leader in paper based printed intelligence research

The structure of FunMat



Board:

Co-Chair	Professor Jouko Peltonen	<i>Lab. Phys. Chem. (DPC, I)</i>
Member	Professor Carl-Eric Wilén,	<i>Lab. Polymer Tech. (LPT, II)</i>
Member	Professor Heikki Tenhu,	<i>Lab. Polymer Chem. (UH, LPC, III)</i>
Member	Professor Martti Toivakka,	<i>Lab. Paper Coat. Conv. (LPCC, IV)</i>
Chair	Professor Ronald Österbacka,	<i>Lab. of Physics (DPh, V)</i>

Advisors

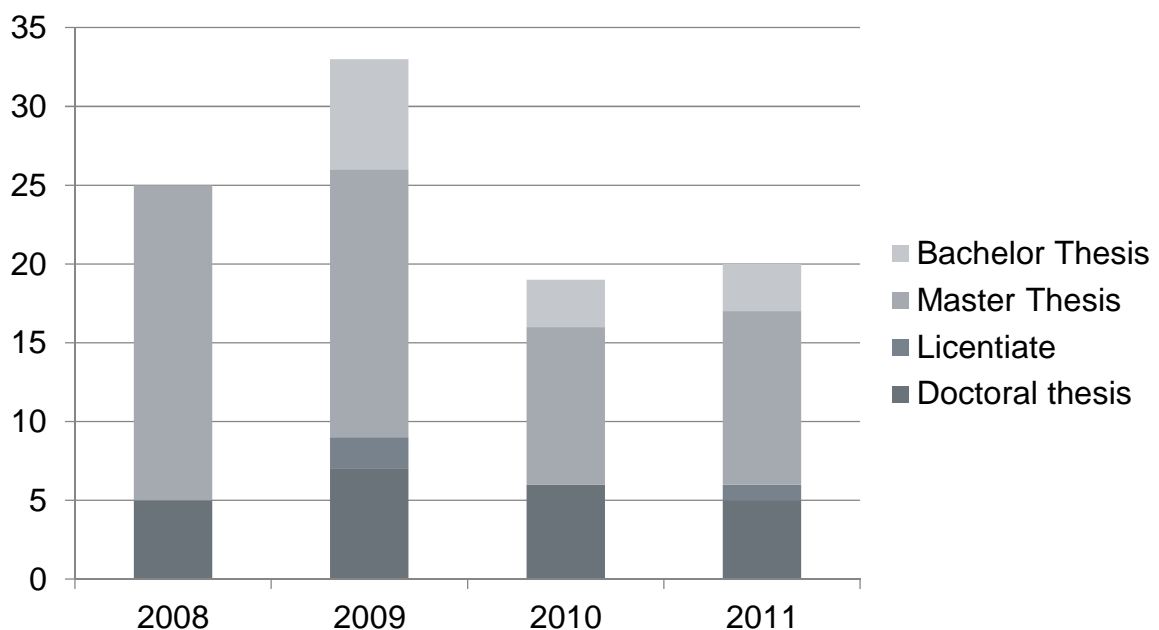
Mining Counselor Tor Bergman/Turku Science Park
Prof. Emeritus Jarl B. Rosenholm

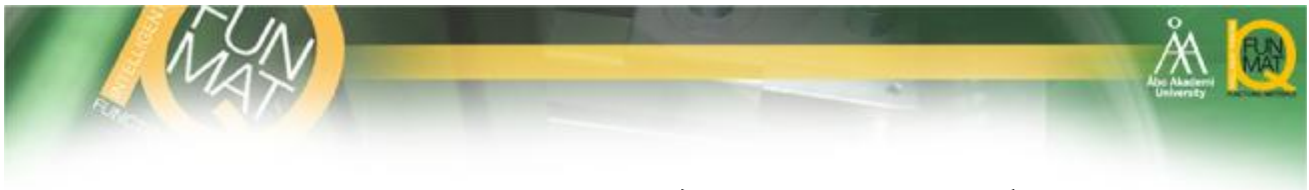


Key numbers

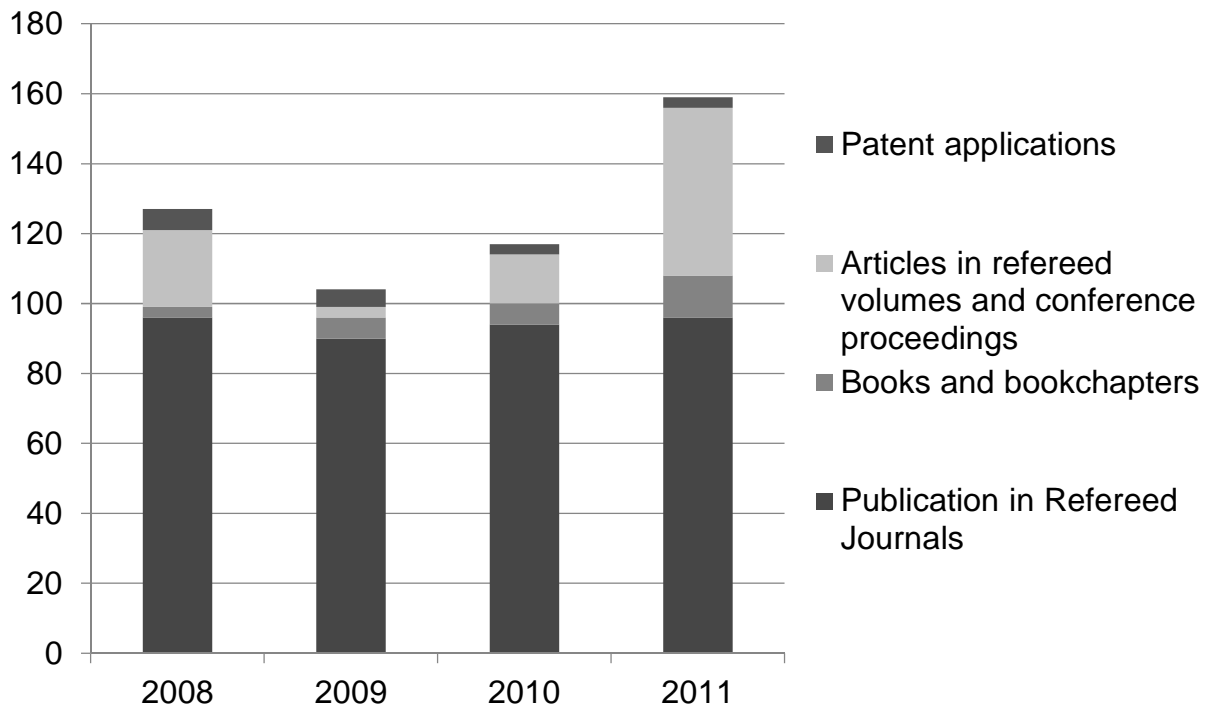
- A total of ~200 people involved (2008-2011)
 - › 34% Females
 - › 53% Finnish citizens
- Around 100 FTE annually
- Total funding ~ 6M€/per year
- International activities:
 - › On the average more than 200 months international exchange (students and faculty) per year
 - › Main exchange countries EU, China, US and Japan

Thesis produced (2008-2011)





FunMat Publications (2008-2011)



Personal awards:

Academy Research Fellowships

• Dr. Jarkko Saarinen



• Nano-Photonics
Paper Platform

• 1.9.2011 - 1.8.2016

• Dr J.-H. Smått



• Fundamental studies of
directed deposition of
functional metal oxides in
hierarchical silica templates

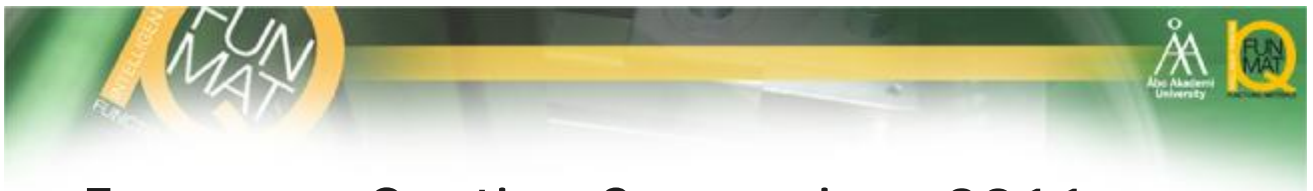
• 1.9.2012-31.8.2017



Best paper award

- Roger Bollström wins the Best Student Paper Award at the 2011 TAPPI PaperCon Conference, held in Covington, USA, for his paper

Top layer coatability on barrier coatings



European Coating Symposium 2011

- Turku, June 8-10, 2011
- Chair: Professor Martti Toivakka
- Co-chairs:
 - › Dr. Parvez Alam
 - › Dr. Jarkko Saarinen



ICSM2014

- The International Conference of Science and Technology of Synthetic Metals (ICSM)
- Turku in July 2014
- Chair Ronald Österbacka
- Co chairs:
 - › Carita Kvarnström (UTU)
 - › Ari Ivaska (ÅAU, PCC)

