Aalto Key Research Areas: Platforms as entry points

https://www.aalto.fi/research-art/what-are-aalto-platforms
Aalto Platforms’ Activities

Events, Networking, Training, and Practice
Getting people talking across the disciplinary boundaries and collaborate in-house and with industry

Multidisciplinary Collaboration
Connecting artists, technical, and scientific researchers through projects and event support

Seed Funding
To support external funding applications, emerging research lines, and mobility between departments

Visualization of Research
Photo shoots, graphic design and exhibitions
Multischool publications are showing increasing trend

- 2014: 4.70%
- 2015: 5.39%
- 2016: 6.59%
- 2017: 7.04%
- 2018: 6.77%
## Statistics

<table>
<thead>
<tr>
<th>Platform name</th>
<th>Established in</th>
<th>Aalto professors in the field</th>
<th>Events</th>
<th>Event Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Digi</td>
<td>2014</td>
<td>160</td>
<td>9</td>
<td>1400</td>
</tr>
<tr>
<td>Energy</td>
<td>2013</td>
<td>65</td>
<td>8</td>
<td>450</td>
</tr>
<tr>
<td>Entrepreneurship</td>
<td>2017</td>
<td>40</td>
<td>5</td>
<td>400</td>
</tr>
<tr>
<td>Experience</td>
<td>2017</td>
<td>50</td>
<td>11</td>
<td>1200</td>
</tr>
<tr>
<td>Health</td>
<td>2016</td>
<td>91</td>
<td>7</td>
<td>1900</td>
</tr>
<tr>
<td>Living+</td>
<td>2015</td>
<td>137</td>
<td>13</td>
<td>450</td>
</tr>
<tr>
<td>Materials</td>
<td>2016</td>
<td>85</td>
<td>9</td>
<td>650</td>
</tr>
<tr>
<td>Sustainability hub</td>
<td>2018</td>
<td>97</td>
<td>12</td>
<td>1200</td>
</tr>
</tbody>
</table>

Year 2018 statistics
Multischool projects tripled from 2014 to 2018
Multidisciplinary Aalto

- **74** Platform events
- **30** Seed grants
- **259** Multischool publications
- **727** Multischool projects

Year: 2018 statistics
Success Stories of the Seed funded grants (examples)

- Industrial Internet for Smart Factories, STN, Riku Jäntti, 3,70 M €
- Scaling Blockchains for open IoT Platforms, Mäntylä Martti, 1,07 M €
- INovel nanomaterials enabled OpTical Information processing for energy-efficient data Centres Tekes, AoF. Zhipei, 1,16 M €
- Improving access to audiovisual resources through semi-automatic data analysis, Kurimo Mikko, 1,20 M €
- Building stock to optimally support the evolution of sustainable energy system, Risto Kosonnen, 0,67 M €
- Surface-enhanced coherent anti-Stokes Raman scattering for lipid imaging, Markku Sopanen, 0,50 M €
- Transparent & flexible Li-organic 3D thin-film microbattery, ERC Proof of Concept, Maarit Karppinen, 0,15 M €
- Improving access to audiovisual resources through semi-automatic data analysis, Kurimo Mikko, 1,20 M €
- FinnCERES 4,5 M€, ERC,2,5 M€, Kone Branch 2015, Academy Fellow0,5 M€, Orlando Rojas, ~7,50 M €
Digi Platform

Focus Areas
Digital Services
Big Data
Industrial Internet
Robotics
Virtual and Augmented Reality
Telecommunications

Chair Jaakko Lehtinen
Manager Krisztina Cziner
Energy Platform

Focus Areas
Power engineering
Energy and mobility
Energy storage conversion
Energy in built environment
Sustainable energy production
Energy systems and resource economics

Chair Yrjö Neuvo
Manager Samuel Cross
Entrepreneurship Platform

Focus Areas
Innovation ecosystems
Technology commercialization
“One-stop” entrepreneur guidance at Aalto
Societal Impact
Entrepreneurship
Disruption
Sustainable business venturing

Chair Arne Kroeger
Experience Platform

Focus Areas
Design
Artistic Productions
Fashion and Textiles
Experience Research
Products and Services
Games and Gamification

Chair Virpi Roto
Manager Markus Ahola
Health Platform

Focus Areas
Digital Health
Management in H&W
H&W Architecture and Design
Neuroscience and Neurotechnology
Biomedical Engineering
(medical and research devices)
Biotechnology
Biomaterials & Chemistry in H&W

Chair Paul Lillrank
Manager Markus Mäkelä
Living+ Platform

Focus Areas
Digitalization
Inclusive Environments
Design and Planning Competence
Technological Breakthroughs

Chair Pirjo Sanaksenaho
Manager Aija Staffans
Materials Platform

Focus Areas
Design and function
Recycling and upcycling
Management and marketing
Synthesis and manufacturing
Characterization and modeling
Materials research, education and impact

Chair Orlando Rojas
Manager Heidi Henrickson
Sustainability Hub

Focus Areas
Co-creation
Circular economy
Campus as a living lab

Chair Minna Halme
Managers Meri Löyttyniemi & Taru Henriksson