

# Science

The Doctoral Programme in Science is a multidisciplinary programme with a unique combination of science, technology and business. The research done is committed to high standards of international excellence and the aim is to educate doctors in different research fields to tackle increasingly complex societal challenges in areas such as energy, environment, health and well-being. Multidisciplinary research work and collaboration within and outside Aalto University is highly valued.

The Doctoral Programme offers a four-year doctoral programme in physics, mathematics, biomedical engineering, computer science or industrial engineering and management. Doctors graduating from this programme have knowledge and master tools for demanding academic research and teaching positions and in expert, development and management positions of the information society.

[Newsletter for doctoral students at the School of Science, February 2019](#)

[Welcome event for new doctoral students at the School of Science 2 April 2019](#)

[Dissertation awards and Get-together for doctoral students at the School of Science 20 March 2019](#)

## Research fields and professors

▼ [Read more:](#)

Code	Name of the research field in three languages	Professors in charge (in alphabetical order)	Research groups of the field
SCI023Z	Neurotiede ja lääketieteellinen tekniikka Neurovetenskap och biomedicinsk teknik Neuroscience and biomedical engineering	Ala-Laurila, Petri Ilmoniemi, Risto Jääskeläinen, Iiro Koskelainen, Ari Kuzyk, Anton Nieminen, Heikki J. Parkkonen, Lauri Salmelin, Riitta Sams, Mikko Tulkki, Jukka	Research groups: <a href="http://nbe.aalto.fi/en/groups/">http://nbe.aalto.fi/en/groups/</a>
F006Z	Matematiikka Mathematics Matematik	Brzuska, Chris Engström, Alexander Hannukainen, Antti Hollanti, Camilla Hyvönen, Nuutti Ilmonen, Pauliina Kinnunen, Juha Korte, Riikka Kubjas, Kaie Kytölä, Kalle Leskelä, Lasse	Research groups: <a href="https://math.aalto.fi/en/research/">https://math.aalto.fi/en/research/</a>
F017Z	Systeemi- ja operaatiotutkimus Systems and Operations Research System- och operationsanalys	Ehtamo, Harri Oliveira, Fabricio Salo, Ahti	Systems Analysis Laboratory: <a href="http://sal.aalto.fi/en/">http://sal.aalto.fi/en/</a>
F008Z	Mekaniikka Theoretical and Applied Mechanics Mekanik	Stenberg, Rolf	Mechanics: <a href="https://math.aalto.fi/en/research/applied/mechanics/">https://math.aalto.fi/en/research/applied/mechanics/</a>

SCI019Z	Teknillinen fysiikka Engineering Physics Teknisk fysik	Alava, Mikko Ala-Nissilä, Tapio van Dijken, Sebastiaan Flindt, Christian Foster, Adam Groth, Mathias Hakonen, Pertti Ikkala, Olli Kaivola, Matti Kauppinen, Esko Liljeroth, Peter Lund, Peter Pekola, Jukka Puska, Martti Ras, Robin Rinke, Patrick Ruokolainen, Janne Sillanpää, Mika Timonen, Jaakko Tuomisto, Filip Törmä, Päivi	Research groups: <a href="http://physics.aalto.fi/en/groups/">http://physics.aalto.fi/en/groups/</a>
SCI020Z	Tietotekniikka Computer Science Datateknik	N. Asokan Aura, Tuomas Babbar, Rohit Brzuska, Chris Chalermsook, Parinya Di Francesco, Mario Gionis, Aristides Hyvönen, Eero Hämäläinen, Perttu Jung, Alexander Kannala, Juho Kaski, Petteri Kaski, Samuel Kivelä, Mikko Lampinen, Jouko Lassenius, Casper Lehtinen, Jaakko Lokki, Tapio Lähdesmäki, Harri Malmi, Lauri Mannila, Heikki Marttinen, Pekka Mäntylä, Martti Niemelä, Ilkka Nieminen, Marko Orponen, Pekka Rintanen, Jussi Rousu, Juho Saramäki, Jari Savioja, Lauri Solin, Arno Suomela, Jukka Takala, Tapio Truong, Hong-Linh Vehtari, Aki Vuorimaa, Petri Ylä-Jääski, Antti	Research groups: <a href="https://www.aalto.fi/departments-of-computer-science/research-groups">https://www.aalto.fi/departments-of-computer-science/research-groups</a>
SCI022Z	Tuotantotalous Industrial Engineering and Management Produktionsekonomi	Arto, Karlos Biniari, Marina Gustafsson, Robin Holmström, Jan Järvenpää, Eila Jääskeläinen, Mikko Kauranen, Ilkka Lillrank, Paul Maula, Markku Rajala, Risto Saarinen, Esa Schildt, Henri Schmidt, Jens Smeds, Riitta Tanskanen, Kari Vuori, Natalia Vuori, Timo	<a href="https://www.aalto.fi/departments-of-industrial-engineering-and-management/research-groups">https://www.aalto.fi/departments-of-industrial-engineering-and-management/research-groups</a>

## News

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### **Aalto Day One 2019–2020: Lukuvuoden avajaispäivä | Inskriptionsdagen | Opening of the academic year 3.9.2019**

20 hours ago

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### **Opintoja Aallossa oman opintoalan ulkopuolella? Studier vid en annan högskola inom Aalto? Studies at another Aalto School?**

18.03.2019

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### **Muutostöitä Otakaari 1:n U-siivessä U219 | Ändringar i U219 på Otsvängen 1 | Changes to the U-wing of Otakaari 1: U219**

18.03.2019

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### **MyCourses-työtilat (lv 2015-2016) arkistoidaan 1.4. | Arbetsytor i MyCourses (läsåret 2015-2016) arkiveras 1.4 | MyCourses workspaces (academic year 2015-2016) to be archived 1 April**

18.03.2019

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### **11.-15.3. Ravintoloiden laatukysely | Quality survey on restaurants | Enkät om kvaliteten på restaurangerna**

18.03.2019

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