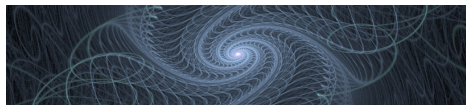
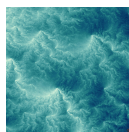


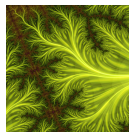
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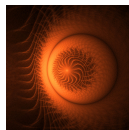
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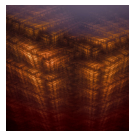
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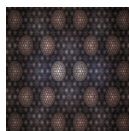
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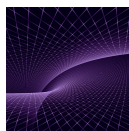
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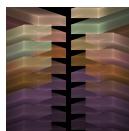
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materials



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nanoscience



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networks



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software



**Comunidad
de Madrid**



UNIÓN EUROPEA
Fondos Estructurales y de Inversión Europeos

What is IMDEA?

The IMDEA Institutes are research centers based in the Region of Madrid. They were established as independent foundations between 2006 and 2007 at the initiative of the regional government.

water

cost effective and sustainable solutions

The mission is to promote multidisciplinary and excellence research and innovation in water issues, to generate profitable and sustainable solutions to problems related to water and its management. It deals with topics such as: water treatment and reuse, membrane technology, microcontaminants, hydrogeology, bioelectrogenesis, ecotoxicology, cyanobacteria, antibiotic resistance, climate change and economic analysis.

food

promoting health in society

IMDEA Food works in the field of personalized nutrition, studying the molecular mechanisms of the body and the physiological effects of chronic diseases to understand how they relate to the nutrients we consume. The resulting nutritional strategies are designed and validated within what is known as precision nutrition, that is, they focus on the individual, their genetic profile and their particular physiological state.

The IMDEA Institutes

They are focused on seven strategic areas for society from a business, scientific and technological point of view: water, food, energy, materials, nanoscience, networks and software.

energy

towards a sustainable energy system

The activities of IMDEA Energy aim to contribute to changing the current energy system, promoting renewable energy sources and the development of clean energy technologies. Among its lines of research, it is worth mentioning the concentration of solar energy, sustainable fuels, energy storage, energy efficiency, smart grids and the valorization of CO₂ emissions.

materials

materials for a better future

IMDEA Materials has set three main objectives: to carry out research of excellence in Materials Science and Engineering, transfer its results to the industrial sector to improve its competitiveness, and attract talent researchers from anywhere in the world.

The Institute combines fundamental research oriented with applied research to address ambitious technological challenges in collaboration with companies.

Vision and mission

The mission of the IMDEA Institutes is to carry out and promote research, development and innovation activities of excellence in the Madrid region and, by extension, in Spain, in close collaboration with the productive sector.

nanoscience

www.nanociencia.imdea.org

small is different

IMDEA Nanoscience works for the promotion and attraction of talent in strategic areas of Nanoscience and Nanotechnology, where physics, chemistry, biology, medicine and engineering come together, conducting a research of excellence. The Institute aims to strengthen ties between basic science and innovative industry so that Madrid has a technology transfer model that incorporates the needs of companies and thus contribute to the creation of a more sustainable society.

networks

www.networks.imdea.org

networks science

IMDEA Networks is a world reference in network science and communications technology. The widespread access to networks has drastically changed the world we live in. Internet, smartphones, Wi-Fi or social networks exemplify the profound social and economic impact of networks. IMDEA Networks exists to make the information economy a global reality: connectivity for everyone, at any time, place and device.

The IMDEA institutes have in a very short time become international flagship centres for certain areas of research. They have done this thanks to the exceptional human capital they are able to draw on, to the benefits of outstanding scientific-technical facilities and to good relationships with the industry and other research centres within and outside Spain.

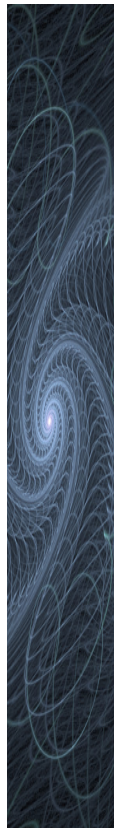
research for better software

The Software is behind almost everything in our daily lives. It makes the mechanisms of cars work, accompanies us in the mobiles applications and directs airplanes during the flight.

The work of IMDEA Software focuses on creating the science and technology that allow software engineers to ensure a proper and efficient operation, avoiding the social and economic impact derived from a failure in these systems.

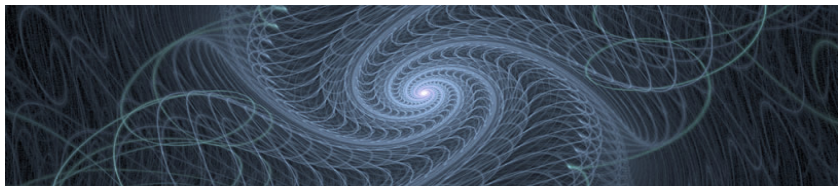
software

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