

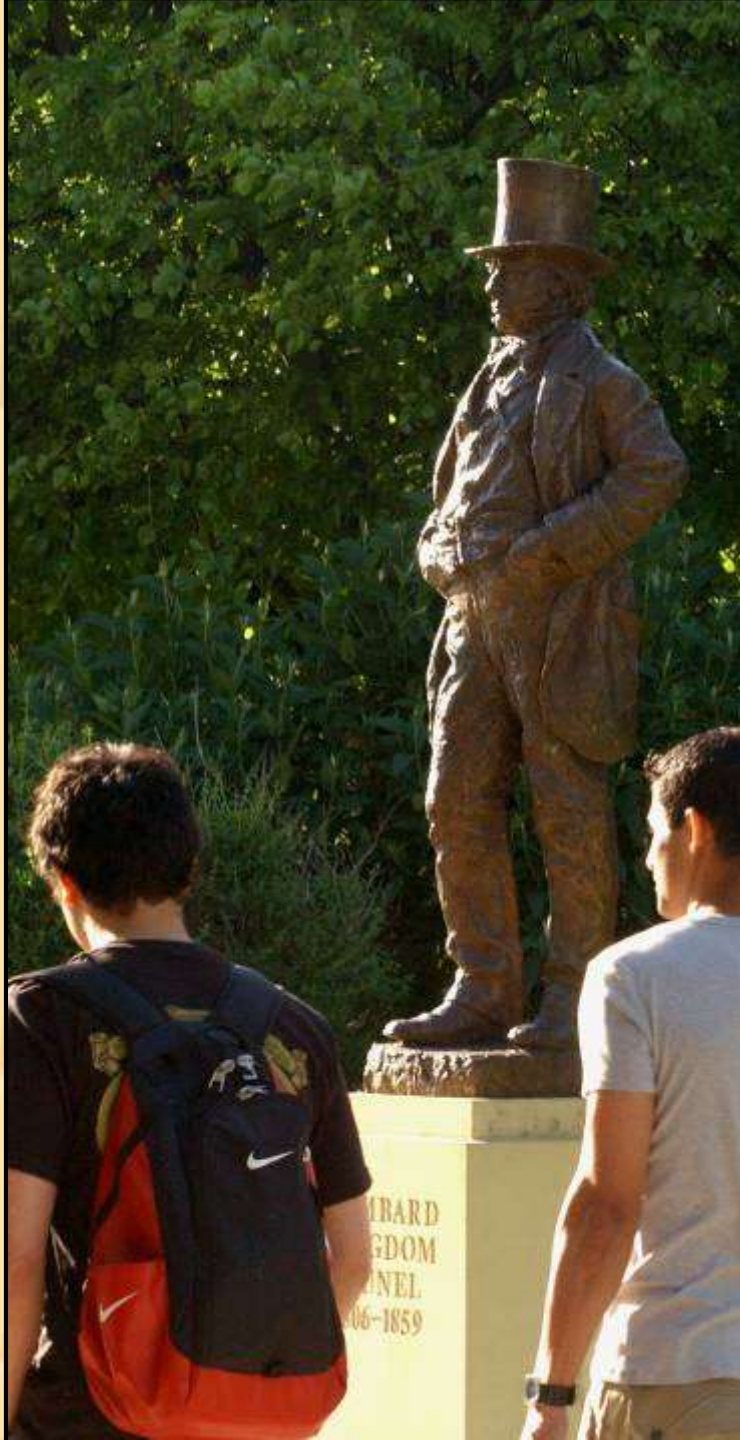
# BRUNEL UNIVERSITY



School of Engineering and Design

Dr Tatiana Kalganova

**Brunel**  
UNIVERSITY  
WEST LONDON



# Brunel: The University

Founded in 1966

Based in West London

World class research & teaching excellence

Good links with industry & employable graduates





- 15<sup>th</sup> in worldwide THE 100 most international universities in the world (2014)
- 83<sup>rd</sup> is worldwide THE 100 Engineering and Technology (2014)
- 1<sup>st</sup> in the UK for citations and research influence according to THE 100 Engineering and Technology (2014)
- 10<sup>th</sup> in UK from worldwide THE 100 Engineering and Technology (2014)
- 35<sup>th</sup> in worldwide THE 100 under 50 university rankings (2012)

# Brunel is proud to host...

**Brunel is proud to host**



**THE QUEEN'S  
ANNIVERSARY PRIZES**  
FOR HIGHER AND FURTHER EDUCATION  
**2011**



**Canadian  
Paralympic  
Committee** | **Comité  
paralympique  
canadien**

**Brunel**  
UNIVERSITY  
WEST LONDON





# Teaching Excellence

Every subject assessed by the QAA since 1999 has been rated as 'Excellent'

The Sunday Times ranks our teaching quality as being in the "top 15% of 122 UK universities"

Daily Telegraph puts us in the: "First Division of British Universities"

# An international community



14,000 students and 3,000 staff

Over 2,500 international students and staff from more than 110 countries

Annual 'One World Week' celebrating our multicultural campus

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# The Brunel learning strategy



Lectures

Seminars

Independent study

Blackboard - Online learning

Group work

Tutorials



# Academic Schools

**Arts**

**Business**

**Engineering & Design**

**Health Sciences & Social Care**

**Information Systems,  
Computing & Mathematics**

**Law**

**Social Sciences**

**Sport & Education**

**& 5 Research Institutes**

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# School of Engineering & Design

- High league table standing – General Engineering ranked 6<sup>th</sup> in UK in (The Guardian 2011), Design ranked 1<sup>st</sup> (The Sunday Times, 2011)
- High quality teaching supported by excellent research facilities
- Professional course accreditation
- High student satisfaction



# School of Engineering & Design

## Research

- In the current Research Assessment Exercise, 95% of research academics in the School achieved **international standard**, with 100% achieving this level in General Engineering. General Engineering research at Brunel is ranked **5<sup>th</sup>** and Mechanical Engineering is ranked **8<sup>th</sup> in the country** by Research Power.





# Courses

SCHOOL OF  
ENGINEERING



Advanced Manufacturing & Enterprise Engineering, **Aerospace Engineering**, Automotive and Motorsport Engineering, **Aviation Engineering**, Biomedical Engineering, **Broadcast Media**, Building Services, **Civil Engineering**, Computer Systems Engineering, **Data Communication Systems**, Design & Branding, **Digital Signals Processing**, Electronic and Electrical Engineering, **Human-Centered Design**, Internet Engineering, **Manufacturing Systems**, Materials Processing, **Mechanical Engineering**, Mobile Computing, **Multimedia Technology & Design**, Packing Technology, **Pilot Studies**, Product Design, **Sustainable Energies**, Wireless Communication Systems.

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# The Graduate School



The Brunel Graduate School works closely with the academic schools and departments to enhance the postgraduate experience across the University .



# The Graduate School



Each year the Graduate School award several Vice-Chancellor's Prizes for Postgraduate Research. These £500 prizes are awarded at our annual Research Student Poster Conference, or are Travel Prizes to support attendance at a national or international conference or Doctoral Research Prizes for research excellence.

# Contribution to NETCENG

- Theory and Practice in Research:  
2 ECTS, 24 contact, 30 hours student workload
- Power Electronics & Systems:  
3 ECTS, 46 contact hours; 30 hours students workload
- Materials Science and Solidification Processing:  
2 ECTS, 20 contact hours; 20 hours student workload





**Thanks for  
listening**



Dr Tatiana Kalganova

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