

العدد : ص ب / ١٣  
التاريخ : ٢٠١٨ / /



وزارة التعليم العالي  
والبحوث العلمي  
Ministry of Higher Education & Scientific Research

جمهورية العراق  
وزارة التعليم العالي والبحث العلمي  
دائرة البعثات والعلاقات الثقافية  
قسم الدراسات خارج العراق  
شعبة الزمالات الدراسية

#### اعلان

الرئاسات الثلاث / مكتب الرئيس  
الوزارات كافة/ مكتب الوزير  
الجهات غير المرتبطة بوزارة  
المحافظات كافة / مكتب المحافظ  
مجالس المحافظات كافة/مكتب رئيس المجلس  
الجامعات كافة/مكتب رئيس الجامعة  
الهيئات كافة /مكتب رئيس الهيئة  
غير الموظفين  
م/ منح دراسية مدعومة لعام ٢٠١٨ في الجامعات البريطانية

السلام عليكم ورحمة الله وبركاته ...

اعلمتنا الدائرة الثقافية / لندن بكتابها ذي العدد ٢٠١٨/٢٦٧٩ في ٢٠١٨/٧/٢٥ عن توفر منح دراسية للحصول على شهادة الدكتوراه مقدمة من الجامعات البريطانية المدرجة في ادناه مع التفاصيل كافة .

#### ١. Loughborough University

منحة دراسية واحدة لدراسة الدكتوراه في مجال الهندسة الكيميائية .

الموضوع (Sustainable Fuels and Chemicals From the integrated conversion of biowastes)

المنحة مدعومة جزئياً.

قيمة المنحة : تغطي الأجور الدراسية فقط.

آخر موعد للتقديم : ٢٠١٨/٨/١٠ .

التفاصيل متوفرة على الروابط في اعلان الجامعة المرفق ربطاً.

#### ٢. Loughborough University

منحة دراسية واحدة لدراسة الدكتوراه في مجال الهندسة الميكانيكية .

الموضوع (Study of nanoparticles in tribological contacts)

المنحة مدعومة جزئياً.

قيمة المنحة : تغطي الأجور الدراسية فقط.

آخر موعد للتقديم : ٢٠١٨/٨/٢٨ .

التفاصيل متوفرة على الروابط في اعلان الجامعة المرفق ربطاً.

العدد : ص ب / ١٣ /  
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### Loughborough University .٣

منحة دراسية واحدة للدراسة الدكتوراه في مجال هندسة الكهرباء والإلكترونيات .

الموضوع ( Tribo-dynamics of bearings for Electric and Hybrid-Electric Vehicles Powertrains )

المنحة مدعومة جزئياً.

قيمة المنحة : تغطي الأجر الدراسية فقط.

آخر موعد للتقديم : ٢٨ / ٨ / ٢٠١٨ .

التفاصيل متوفرة على الروابط في اعلان الجامعة المرفق ربطاً.

### Loughborough University .٤

منحة دراسية واحدة للدراسة الدكتوراه في مجال الهندسة الميكانيكية .

الموضوع (Uncertainty in Electromechanical Actuators)

المنحة مدعومة جزئياً.

قيمة المنحة : تغطي الأجر الدراسية فقط.

آخر موعد للتقديم : ٢٨ / ٨ / ٢٠١٨ .

التفاصيل متوفرة على الروابط في اعلان الجامعة المرفق ربطاً.

### Sheffield University .٥

منحة دراسية واحدة للدراسة الدكتوراه في مجال علم النفس .

الموضوع (Psychology Demonstrator)

المنحة مدعومة بالكامل.

قيمة المنحة : (١٤,٧٧٧) باوند سنوياً مع تغطية شاملة للأجر الدراسية.

آخر موعد للتقديم : ٢٤ / ٨ / ٢٠١٨ .

التفاصيل متوفرة على الروابط في اعلان الجامعة المرفق ربطاً.

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ملاحظة :-

• على المتقدمين للمنح أعلاه ، التقديم على الرابط الخاص بدائرة البعثات والعلاقات الثقافية ( <http://scredgate.scrdiraq.gov.iq> ) (بعد حصولهم على القبول الدراسي من الجانب المانح) ، وان تتوفر في المتقدم شروط وضوابط الزمالات المذكورة في النظام رقم (٣) لسنة ٢٠١٨ ولا تتحمل الوزارة أي تبعات مالية ..... مع التقدير

أ.م.د. صلاح هادي الفتلاوي  
المدير العام لدائرة البعثات والعلاقات الثقافية وكالة  
٢٠١٨/٨/

نسخة منه إلى :-

- مكتب معالي الوزير ... / للتفضل بالاطلاع ... مع التقدير
- مكتب وكيل الوزارة للشؤون العلمية والعلاقات الدولية للتفضل بالاطلاع ... مع التقدير
- مكاتب السادة الوكلاء ... للتفضل بالاطلاع ... مع التقدير
- مكتب المفتش العام للتفضل بالاطلاع ... مع التقدير
- مكتب المدير العام .... / للتفضل بالاطلاع .. مع التقدير
- دائرة العلاقات والاعلام/ القناة الجامعية .. لاتخاذ ما يلزم من قبلكم ... مع التقدير
- قسم المعلوماتية / راجين نشر الاعلان على موقع الدائرة
- قسم الدراسات خارج العراق / شعبة الزمالات الدراسية
- الدائرة الثقافية / لندن / إشارة الى كتابيكم المذكورين في أعلاه ... مع التقدير
- البريد الدوار.





## Sustainable fuels and chemicals from the integrated conversion of biowastes

Loughborough University - Chemical Engineering

<b>Qualification type:</b>	PhD	<b>Placed on:</b>	18th July 2018
<b>Location:</b>	Loughborough	<b>Closes:</b>	10th August 2018
	UK Students, EU	<b>Reference:</b>	CG-JLW-1814
<b>Funding for:</b>	Students, International Students	★ View Employer Profile	
	£14,777 tax free		
<b>Funding amount:</b>	stipend per annum for three years plus tuition fees at the UK/EU rate		
<b>Hours:</b>	Full Time		

### Application details:

Start date: October 2018

Interview date: After the closing date

### Supervisors:

Primary supervisor: Dr Jonathan Wagner

Secondary supervisor: Dr Gilbert Sharma

### Intro (standard):

Loughborough University is a top-ten rated university in England for research intensity (REF2014) and an outstanding 66% of the work of Loughborough's academic staff who were eligible to be submitted to the REF was judged as 'world-leading' or 'internationally excellent', compared to a national average figure of 43%.

You'll work alongside academics who are leaders in their field. You will benefit from comprehensive support and guidance from our Doctoral College to help you succeed in your research and future career.

Find out more: <http://www.lboro.ac.uk/study/postgraduate/supporting-your-research/>

### Project Detail:

The development of sustainable biomass-derived fuels, materials and chemicals is expected to make a major contribution to reducing the UK's carbon emissions. To minimise adverse effects on other areas (e.g. food production), biomass should be obtained from non-arable resources. These can be converted using different biological and thermochemical processes to yield products such as alcohols, biogas, bio-oils and biochars, which can either be used directly or further upgraded into chemicals and fuels. The suitability of each conversion technology is strongly dependent on the biochemical composition and physical state of the feedstock (e.g. wet or dry), feedstock purity/contamination and location of the processing plant. An important secondary consideration is the recovery of nutrients from the biomass, especially nitrogen and phosphorus, to reduce the reliance on artificial fertilisers.

This PhD project will focus on two particularly promising biomass conversion processes, anaerobic digestion and hydrothermal liquefaction. Both processes can convert wet biomass, eliminating the need for energy-intensive drying, and can be applied to a wide range of feedstocks. Through careful process optimization, the project aims to address current barriers to commercialisation, such as low product yields and energy recovery, the production of undesired by-products or poor product quality, leading to excessive processing costs. Particular focus will be placed on the analysis of the different reaction product phases and their impact on downstream processing, e.g. catalytic bio-oil upgrading, to effectively balance overall product yields with product quality. This work will be supplemented with process modelling to obtain overall material and energy balances and evaluate the process economics. Close collaborations with research groups in Cambridge, Bath, and Manchester will also be conducted during this project.

### Entry requirements:

Applicants should have, or expect to achieve, at minimum of a 2.1 Honours degree (or equivalent) in Chemical Engineering or a related subject. A relevant Master's degree and/or experience in one or more of the following will be an advantage: Biomass conversion, process modelling, life cycle analysis, catalyst synthesis.

### Funding information:

The studentship provides a tax free stipend of £14,777 per annum for a duration of three years plus tuition fees at the UK/EU rate. International (non-EU) students may apply, however the total value of the studentship will be used towards the cost of the international tuition fee.

### Contact details:

Name: Jonathan Wagner

Email address: J.L.Wagner@lboro.ac.uk



## PhD Studentship: Study of nanoparticles in tribological contacts

Loughborough University - School of Mechanical, Electrical and Manufacturing Engineering

<b>Qualification type:</b>	PhD	<b>Placed on:</b>	18th July 2018
<b>Location:</b>	Loughborough	<b>Closes:</b>	28th August 2018
<b>Funding for:</b>	UK Students, EU Students, International Students	<b>Reference:</b>	WSS07
<b>Funding amount:</b>	£14,777 per annum		★ View Employer Profile
<b>Hours:</b>	Full Time		

### Application details:

Reference number: WSS07  
Start date: 1 October 2018  
Closing date: 28 August 2018

### Supervisors:

Primary supervisor: Dr Ramin Rahmani  
Secondary supervisor: Dr Nick Morris

### Intro (standard):

Loughborough University is a top-ten rated university in England for research intensity (REF2014) and an outstanding 66% of the work of Loughborough's academic staff who were eligible to be submitted to the REF was judged as 'world-leading' or 'internationally excellent', compared to a national average figure of 43%.

In choosing Loughborough for your research, you'll work alongside academics who are leaders in their field. You will benefit from comprehensive support and guidance from our Doctoral College, including tailored careers advice, to help you succeed in your research and future career.

Find out more: <http://www.lboro.ac.uk/study/postgraduate/supporting-you/research/>

### Project Detail:

The proposed research aims at understanding the behaviour of fluids containing nanoparticles (nanofluids) in high-pressure and relatively high temperature narrow conjunctions, typical of various tribological contacts. Since such conjunctions are often subject to cavitation; therefore, a multi-phase computational platform along with experimental methods and facilities are required to be utilised and developed to incorporate various physical phenomena encountered in such contacts. The influence of surface texture will also be considered along with developing an understanding of inter-particle and the particle-continuum forces on the tribological performance. The effect of nanofluids on cavitation and subsequent associated problems such as cavitation-induced erosion in the contacts would also be considered.

### Find out more:

### Entry requirements:

Applicants should have, or expect to achieve, at least a 2:1 Honours degree (or equivalent) in Mechanical Engineering or a related subject. A relevant Master's degree and/or experience in one or more of the following will be an advantage: numerical analysis, CFD, experimental methods.

### Funding information:

Please note that studentships will be awarded on a competitive basis to applicants who have applied to this project and other advertised projects starting with advert reference 'WSS' for the School of Mechanical, Electrical and Manufacturing Engineering.

If awarded, each 3 year studentship will provide a tax-free stipend of £14,777 p/a, plus tuition fees at the UK/EU rate. While we welcome applications from non EU nationals, please be advised that it will only be possible to fund the tuition fees at the International rate and no stipend will be available. Successful candidates will be notified by 26 November 2018.

### Contact details:

Name: Dr Ramin Rahmani  
Email address: [R.Rahmani@lboro.ac.uk](mailto:R.Rahmani@lboro.ac.uk)  
Telephone number: +44(0)1509 227669

Or

Name: Dr Nick Morris  
Email address: [N.J.Morris@lboro.ac.uk](mailto:N.J.Morris@lboro.ac.uk)  
Telephone number: +44(0)1509 227626

### How to apply:

All applications should be made online at <http://www.lboro.ac.uk/study/postgraduate/apply/>





**Loughborough  
University**

## PhD Studentship: Tribo-dynamics of Bearings for Electric and Hybrid-Electric Vehicles Powertrains

Loughborough University - School of Mechanical, Electrical and Manufacturing Engineering

<b>Qualification type:</b> PhD	<b>Placed on:</b> 18th July 2018
<b>Location:</b> Loughborough	<b>Closes:</b> 28th August 2018
<b>Funding for:</b> UK Students, EU Students, International Students	<b>Reference:</b> WSS04
<b>Funding amount:</b> £14,777 per annum	★ View Employer Profile
<b>Hours:</b> Full Time	

Reference number: WSS04  
Start date: 1 January 2019  
Closing date: 28 August 2018

### Supervisors:

Primary supervisor: Dr Mahdi Mohammadpour  
Secondary supervisor: Professor Colin Garner

### Intro (standard):

In choosing Loughborough for your research, you'll work alongside academics who are leaders in their field. You will benefit from comprehensive support and guidance from our Doctoral College, including tailored careers advice, to help you succeed in your research and future career.

Find out more: <http://www.lboro.ac.uk/study/postgraduate/supporting-you/research/>

### Project Detail:

Electric vehicles (EVs) are seen as one of the main contributors to the 2DS (2°C Decarbonisation Scenario) by the International Energy Agency (IEA) as transport currently accounts for 23% of Green House Gases.

The recent boom in utilising both pure electric vehicles (EVs) and hybrid electric vehicles (HEVs) has revealed knowledge gaps in already established knowledge and technologies. This is due to significantly different working conditions such as high rotational speeds as well as new underlying physics including magneto-mechanical interactions. Noise, vibration and harshness (NVH) refinement as well as component level durability and efficiency are major challenges in the success of EV and HEVs and their acceptance. New scientific research is essential to explore underlying physics of NVH, durability and efficiency of EVs and HEVs and to ensure optimum performance when operating over a wide range of conditions.

Critical components affecting abovementioned EVs and HEVs goals are the bearings. The aim of this project is to develop novel experimentally validated component and system level models for EV and HEV applications. The models should take into account various underlying physics affecting the bearing behaviour including dynamics, tribology, structural and thermal effects.

The successful candidate will join the university's world renowned Powertrain Group and work closely with drivetrain and electrification analysis and development experts at AVL as the industrial collaborator.

### Find out more:

Further information can be obtained from Dr Mahdi Mohammadpour, email: [M.mohammadpour@lboro.ac.uk](mailto:M.mohammadpour@lboro.ac.uk)

### Entry requirements:

Applicants should have, or expect to achieve, at least a 2:1 Honours degree (or equivalent) in mechanical, automotive or aerospace engineering, physics or a related subject. A relevant Master's degree and/or experience in one or more of the following will be an advantage:  
Tribology and Dynamic simulation and experimentation

### Funding information:

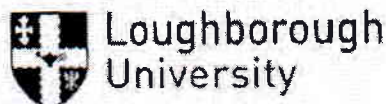
Please note that studentships will be awarded on a competitive basis to applicants who have applied to this project and other advertised projects starting with advert reference 'WSS' for the School of Mechanical, Electrical and Manufacturing Engineering.

If awarded, each 3 year studentship will provide a tax-free stipend of £14,777 p/a, plus tuition fees at the UK/EU rate. **While we welcome applications from non EU nationals, please be advised that it will only be possible to fund the tuition fees at the international rate and no stipend will be available.** Successful candidates will be notified by 26 November 2018.

### Contact details:

Name: Dr Mahdi Mohammadpour  
Email address: [m.mohammadpour@lboro.ac.uk](mailto:m.mohammadpour@lboro.ac.uk)  
Telephone number: +44(0)17549 413791

54



## PhD Studentship: Uncertainty in Electromechanical Actuators

Loughborough University

<b>Qualification type:</b>	PhD	<b>Placed on:</b>	18th July 2018
<b>Location:</b>	Loughborough	<b>Closes:</b>	28th August 2018
<b>Funding for:</b>	UK Students, EU Students, International Students	<b>Reference:</b>	WSS05
<b>Funding amount:</b>	£14,777 per annum		★ View Employer Profile
<b>Hours:</b>	Full Time		

### Application details:

Reference number: WSS05  
 Start date: 1 January 2019  
 Closing date: 28 August 2018

### Supervisors:

Primary supervisor: Dr Will Midgley  
 Secondary supervisor: TBC

### Intro (standard):

Loughborough University is a top-ten rated university in England for research intensity (REF2014) and an outstanding 66% of the work of Loughborough's academic staff who were eligible to be submitted to the REF was judged as 'world-leading' or 'internationally excellent' compared to a national average figure of 43%.

In choosing Loughborough for your research, you'll work alongside academics who are leaders in their field. You will benefit from comprehensive support and guidance from our Doctoral College, including tailored careers advice, to help you succeed in your research and future career.

Find out more: <http://www.lboro.ac.uk/study/postgraduate/supporting-you/research/>

### Project Detail:

Electric machines are increasingly being used to automate processes throughout manufacturing value chains. However due to mechanical tolerances, component wear and manufacturing variations, the way these machines react to actuation commands can be uncertain.

The traditional way to approach these uncertainties is to measure the system response and use a control algorithm to correct the actuator accordingly. This project aims to construct a novel framework for understanding the uncertainty in electromechanical systems, and to use this framework to identify methods for controlling the system more effectively.

This project will include a theoretical component focussed on the underlying theory of uncertainty and optimal control, and a practical component investigating the real-world behaviour of uncertain electromechanical actuators.

### Find out more:

Jayne's Probability Theory:

<https://djmarsay.wordpress.com/bibliography/rationality-and-uncertainty/probability/probability-classics/jaynes-probability-theory/>

<http://bayes.wustl.edu/etj/prob/book.pdf>

Robust Control:

[https://users.ece.cmu.edu/~koopman/dec\\_s99/control\\_theory/](https://users.ece.cmu.edu/~koopman/dec_s99/control_theory/)

[https://en.wikipedia.org/wiki/Robust\\_control](https://en.wikipedia.org/wiki/Robust_control)

Response Bounds:

<https://www.repository.cam.ac.uk/bitstream/handle/1810/260823/Butlin-2016-Journal-of-Sound-and-Vibration-VoR.pdf?sequence=1>

Maximum Entropy:

[http://past.isma-issa.be/downloads/isma2016/papers/isma2016\\_0481.pdf](http://past.isma-issa.be/downloads/isma2016/papers/isma2016_0481.pdf)

### Entry requirements:

Applicants should have, or expect to achieve, at least a 2:1 Honours degree (or equivalent) in Mechanical Engineering or a related subject. A relevant Master's degree and/or experience in one or more of the following will be an advantage: MATLAB, Simulink, uncertainty, nonlinear interactions/dynamics, control theory and optimisation

### Funding information:



7/20/2018

## PhD Studentship: Uncertainty in Electromechanical Actuators at Loughborough University

Applicants must be UK citizens or have the right to work in the UK. Applications will only be considered if you have applied to this project and other advertised projects starting with advert reference 'WSS' for the School of Mechanical, Electrical and Manufacturing Engineering.

If awarded, each 3 year studentship will provide a provisional tax-free stipend of £14,777 p/a plus tuition fees at the UK/EU rate. While we welcome applications from non EU nationals, please be advised that it will only be possible to fund the tuition fees at the international rate and no stipend will be available. Successful candidates will be notified by 26 November 2018.

### Contact details:

Name: Dr Will Midgley

Email address: [w.j.midgley@lboro.ac.uk](mailto:w.j.midgley@lboro.ac.uk)

Telephone number: +44(0)1509 227040

### How to apply:

All applications should be made online at <http://www.lboro.ac.uk/study/postgraduate/apply/>.

Under programme name, select Mechanical and Manufacturing Engineering.

Please quote reference number: WSS05

**Apply**

### Advert information

Type / Role:

PhD

Subject Area(s):

Engineering and Technology Mechanical Engineering Aerospace Engineering Electrical and Electronic Engineering

Location(s):

Midlands of England



## PhD Studentship: Psychology Demonstrator

Sheffield Hallam University

Qualification type:	PhD	Placed on:	18th July 2018
Location:	Sheffield	Closes:	24th August 2018
Funding for:	UK Students, EU Students, International Students	★ View Employer Profile	
Funding amount:	Not specified		
Hours:	Full Time		

**PhD - Tuition fees paid and an annual stipend of £14,777 for 3 years (subject to satisfactory progress)**

The Psychology group in the Department of Psychology, Sociology & Politics at Sheffield Hallam University intends to appoint a **Psychology Demonstrator** on a three-year fixed term studentship from September 2018. Demonstrators undertake certain teaching assistant duties such as helping conduct psychology laboratories, in addition to working towards a PhD qualification. We are particularly interested in supervising projects in the following areas, and preference will be given to applicants with an interest in developing research in one of these areas, although applications in other areas are also welcome:

*Charting the language of Peace Talk: A project in critical discursive peace psychology*

*The Disgusting Self: Methodological and Theoretical Developments on the Effects of Self-Disgust on Mental Health Outcomes*

*Self-Harm in Secure Hospital Settings: Causes and Prevention*

*Does the sensation of being in a Virtual Reality environment affect our attention?*

As a minimum, applicants should possess a 1st or 2.1 Honours degree in Psychology. A Masters degree in a relevant subject area would be an advantage.

Further information about research in the Faculty can be found on the [Graduate School website](#)

To find out more about working at Sheffield Hallam University please visit <http://www.shu.ac.uk/jobs>

**We welcome applications for job-share, part-time and flexible working arrangements**

To apply, or get more information about this post, please click on the apply button below:

**Apply**

### Advert information

Type / Role:	Subject Area(s):	Location(s):
<a href="#">PhD</a>	<a href="#">Psychology</a>	Northern England