

## Lent 2018 Teaching Office Newsletter

Happy New Year and welcome to the Teaching Office newsletter which contains information about up-coming events, mini-profiles of new staff and details of key changes to the course and related guidelines.

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## Upcoming events

### Professional Engineering Institution briefings for students

We will be running a series of short (15-30 minute) lunchtime briefing sessions during the first week of term to cover what each professional institution does, how membership could benefit you and how to apply. All students are encouraged to attend the briefing(s) for the institutions which particularly relate to their interests. The timetable is as follows - **all sessions start at 13.00 on LR4:**

Institution(s)	Date of briefing
<a href="#">Royal Aeronautical Society</a>	22.01.18
<a href="#">Institution of Engineering and Technology</a> <a href="#">Institute of Measurement and Control</a>	24.01.18
<a href="#">Institution of Mechanical Engineers</a>	25.01.18
<a href="#">Institution of Civil Engineers</a> <a href="#">Institution of Structural Engineers</a> <a href="#">Chartered Institution of Highways and Transportation</a> <a href="#">Institute of Highway Engineers</a>	26.01.18

### Exam study skills session

A study skills session on exam skills will be held on Wednesday 14 March 2018 from 2.00-4.00pm in LR4. The course is particularly targeted at first-years, exchange students and incomers from other courses.

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To add any event to this list, please contact: [teaching-office@eng.cam.ac.uk](mailto:teaching-office@eng.cam.ac.uk)

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## Course updates

### More technical skills taught in part I

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Two new part I practicals were introduced this year to provide all students with additional technical skills.

## **IA Machine Tools lab**

In this 2h laboratory, IA students are introduced to the lathe and the milling machine, two of the most common machine tools. Starting from technical drawings for these parts, students manufacture a small aluminium wheel on the lathe and a small aluminium beam on the milling machine. parts need to be manufactured within prescribed tolerances so that they can be combined with Lego parts to build a three-wheeled buggy.

Learn more about it in the [lab handout](#)!

## **IB Computing - Micro-controller activity**

In an activity sponsored by ARM and STI, IB students were all given a Nucleo development board to learn the basics of microcontroller programming, including memory allocation, interrupt, timers, as well as I2C communication with simple sensing devices. Following the general model of part I computing, this activity is not timetabled and students have the flexibility to work whenever and wherever they wish, including over the Christmas holiday to relieve the usual term time pressure.

Feel free to have a look at the [new activity online](#).

## **Are you interested in Teaching & Education?**

Teaching is a great way to improve your communication skills and knowledge. We are exploring ways to allow IIA and IIB students to participate in programs such as [Stimulus](#), and to do it for credit as part of the course. If you would like to know more about it, please contact the Director of Undergraduate Education, Alexandre Kabla ([director-ugrad-education@eng.cam.ac.uk](mailto:director-ugrad-education@eng.cam.ac.uk)).

## **Updated referencing guidelines**

Following student feedback, we have updated and improved the [referencing section of the report writing guide](#). Feel free to consult it when needed.

The library offers training <https://training.cam.ac.uk/eng/theme/eng-ug-trans?providerId=1134538>

Do make sure to ask them if you have any questions [cued-library@eng.cam.ac.uk](mailto:cued-library@eng.cam.ac.uk)

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## **Student mental health & wellbeing**

### **New CUES Welfare Officer**

We are delighted to report that Isla Ziyat is CUES' first Welfare Officer. We are working with Isla and the SSJC to address the findings of the student mental health survey run by former IIB student Sinead Cook last year. Sinead's full report and our response, plus the results of Isla's recent welfare survey and her first Welfare Bulletin, are available on the [SSJC Moodle site](#).

## **Counselling Service provision for students**

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Details of the Counselling Service's short courses, groups and workshops for Lent Term are available online at <http://www.counselling.cam.ac.uk/studentcouns/studentgroups>

All groups and workshops are open to any student.

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## Best lecturer awards 2016-2017

Based on student votes in 2016-2017 for their [best lecturers](#), we are delighted to announce the following winners (in alphabetic order within each year group):

Year	Lecturer	Course/Module
IA	M J DeJong	Structures
IA	C A Hall	Thermofluid Mechanics
IA	T H W Minshall	Engineer in Society
IB	R Cipolla	Information elective
IB	M L Oyen	Bioengineering elective
IB	K A Seffen	Structures
IIA	A J Kabla	3G2 Mathematical Physiology
IIA	D Liang	3D5 Water Engineering
IIA	R Venkataramanan	3F7 Information Theory & Coding
IIB	F A McRobie	4D10 Structural Steelwork
IIB	K A Seffen	4D17 Plate & Shell Structures
IIB	S S Singh	4F7 Digital Filters & Spectrum Estimation

From 2016-17 onwards, selection criteria were adjusted to account for variations in the number of students taking each course. The three lecturers in each year with the largest number of votes per student taking their course were elected.


In 2017-18, students are allowed to select their **three** best lecturers.

These changes allow us to better identify and reward good practice in the department, regardless of the class size.

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## SSJC and Faculty Board student representatives

	<p><b>Dimitrios Alexadridis (da460)</b></p> <p><b><i>IA Rep &amp; Teaching Committee Rep, Freshers Coordinator</i></b></p> <p>My name is Dimitri. I am a first-year student from Girton. I chose to participate in the SSJC because I am keen to contribute to the department in a way that will enhance the student experience in the Engineering Department. This year, Tek and I are the Part 1 student representatives, which means that we are especially happy to discuss and resolve issues faced by first-year students. I am also a member of the teaching committee and I can transfer any suggestions on the improvement of teaching directly to the Student Representative Committee. Feel free to talk with me at any time to discuss departmental issues or suggestions! Any feedback will help us to better represent the student body in our attempt to make everyday life in the department even more enjoyable and productive.</p>
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	<p><b>Michaela Chan (mkyc2)</b></p> <p><b><i>IIA Rep &amp; College Rep Coordinator</i></b></p> <p>I'm Micheala, a third-year engineer at Trinity Hall. This is my third year on the SSJC and I'm currently sitting on the Environment Committee, as well as being College and IIA Representative and College Rep Coordinator, and IIA Rep. This means I will be working closely with people representing you from your college, but that doesn't mean I won't be directly to me with any issues or feedback that you have! I'm here especially to represent the interests of the department, so please do get in touch. If you're not quite sure about what's going on in the department, or you think something could be improved, let me know!</p>
	<p><b>Tek Kan Chung (tkc26)</b></p> <p><b><i>IA Rep &amp; Fresher Coordinator</i></b></p> <p>Hi I'm Tek, a first year engineer from Pembroke. I believe education shouldn't be something that's spoon-fed to students. I want to see students engaging with the department and helping shape the education that works best for the future. As part of the SSJC committee, I hope you feel comfortable giving valuable feedback to me through me and the rest of the team. My email lives at <a href="mailto:tkc26@cam.ac.uk">tkc26@cam.ac.uk</a> – and if you're a fresher like me, please get in touch with me before or after a lecture! I usually sit somewhere near the top left-hand side of LT0, if you're looking for me (use whichever co-ordinate system you prefer...).</p>
	<p><b>Fleur Conway (gc538)</b></p> <p><b><i>IB Rep &amp; Faculty Board Rep &amp; Library Committee Rep &amp; College Rep Coordinator</i></b></p> <p>My name is Fleur and I am a second year undergraduate from Pembroke College. My role in the SSJC includes attending the faculty board, SSJC and library committee meetings. I also act as the 1B representative with Agnes Fung as my rep coordinator with Michaela Chan. That means as well as listening to any issues from people within my year, I also representatives from each college from every year. So do approach me if you see me around. I also work for the Cambridge University Engineering Society as Marketing and Communications Director and the alumni-student society, 1347, in my college. I just finished my role as college rep for the Varsity ski trip this year too! In the future, I love to see the welfare and community within the department improve. Do let me know if there are any issues or to bring up concerning the course and engineering life in general!</p>
	<p><b>Martina Cheadle (mec65)</b></p> <p><b><i>SSJC President &amp; IIB Rep</i></b></p> <p>I'm Martina, a fourth-year engineer at Sidney Sussex who spent last year as a student rep on the Faculty Board, the Committee, and Staff-Student Joint Committee (SSJC). This year I have been elected President of the SSJC. I am the official first point of contact for CUED regarding student wellbeing/opinion. As President I will continue to communicate with the people who run the engineering course on your behalf. If you're not quite sure about something happening in the department, or if you think something could be improved please let me know – I am here to help!</p> <p>Some things I'm currently working on:</p> <ul style="list-style-type: none"> <li>• Better cohesion between lectures and labs, especially in Part I</li> <li>• Improving the transition to Part II using students' feedback on module choices</li> </ul>

- Increased availability of course material in the form of lecture notes, recorded lectures, past Tripod worked solutions
  - Better feedback on lectures, lab reports, and supervisions
- Any questions, concerns, or comments on anything CUED related, please feel free to ask!

**Agnes Fung (alsf3)**

***IB Rep & Faculty Board Rep & Communications Manager***




Hi there! I'm Agnes, a second year undergraduate at Jesus. My main aims within the SSJC are to increase access within the engineering department. Your feedback is invaluable and helps shape the way things are for future cohorts of students. Fleur and I are here to represent the IB students; second years please don't hesitate to contact us after lectures if you have any comments! As a Faculty Board student representative, I can also help you directly with the big potatoes.

My role in the SSJC includes being the Communications Officer too. Stay tuned for our brand new Facebook page which will include summaries of our meetings. You are also welcome to message me if you have any comments or questions.

**Manesh Patel (mp735)**

***SSJC Vice President & IIB Rep***

My name is Manesh Patel and I'm a fourth year at Pembroke College, and will serve as both the fourth year and vice president. I take a selection of modules across the aerothermal and mechanics divisions and enjoy the eccentric engineering projects of other students to life. This year I want to look at further increasing level of feedback for labs and modules, and turning that feedback in to useful resources for students to use. I'm interested in how the department can work better for you so please don't hesitate to get in touch.

	<p><b>Fergus Riche (fr293)</b></p> <p><b><i>SSJC Grad Rep and Faculty Board Rep (Research Graduate Students)</i></b></p> <p>Fergus has been at the Department since 2011, and has acted as both its fiercest critic and most staunch fight your corner (which he will do with a smile, and without fear or favour), and help the Department become an engineering machine.</p> <p>Fergus is particularly interested in improving the experience of graduate students involved in the department. If you have any suggestions on that, or any other aspect of the graduate experience, don't hesitate to tell him.</p>
	<p><b>Jon Arne Toft (jaet2)</b></p> <p><b><i>IIB Rep &amp; Teaching Committee Rep</i></b></p> <p>I'm a fourth year mechanical engineer at Homerton. I'm a co-founder and former president of ITIC (iticam.cam.ac.uk), designing products to tackle global challenges. My main interests are to improve department support for extracurricular activities, and to improve the learning experience as a whole. I'm not a big fan of the current lecture note system. On the other hand, I'm a big fan of free coffee!</p>
	<p><b>Lukas Gast (latg2)</b></p> <p><b><i>Faculty Board Grad Rep (Taught Graduate Students)</i></b></p> <p>Lukas T Gast is an MPhil student in Engineering for Sustainable Development (Kurt Hahn Trust Scholar). Before coming to Cambridge, he studied Industrial Engineering at TU Berlin and KTH Stockholm. His research interests include environmental policy, energy systems and industrial processes. He also organizes field trips for students in his spare time and enjoys various sports (running, rowing and skiing).</p>

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