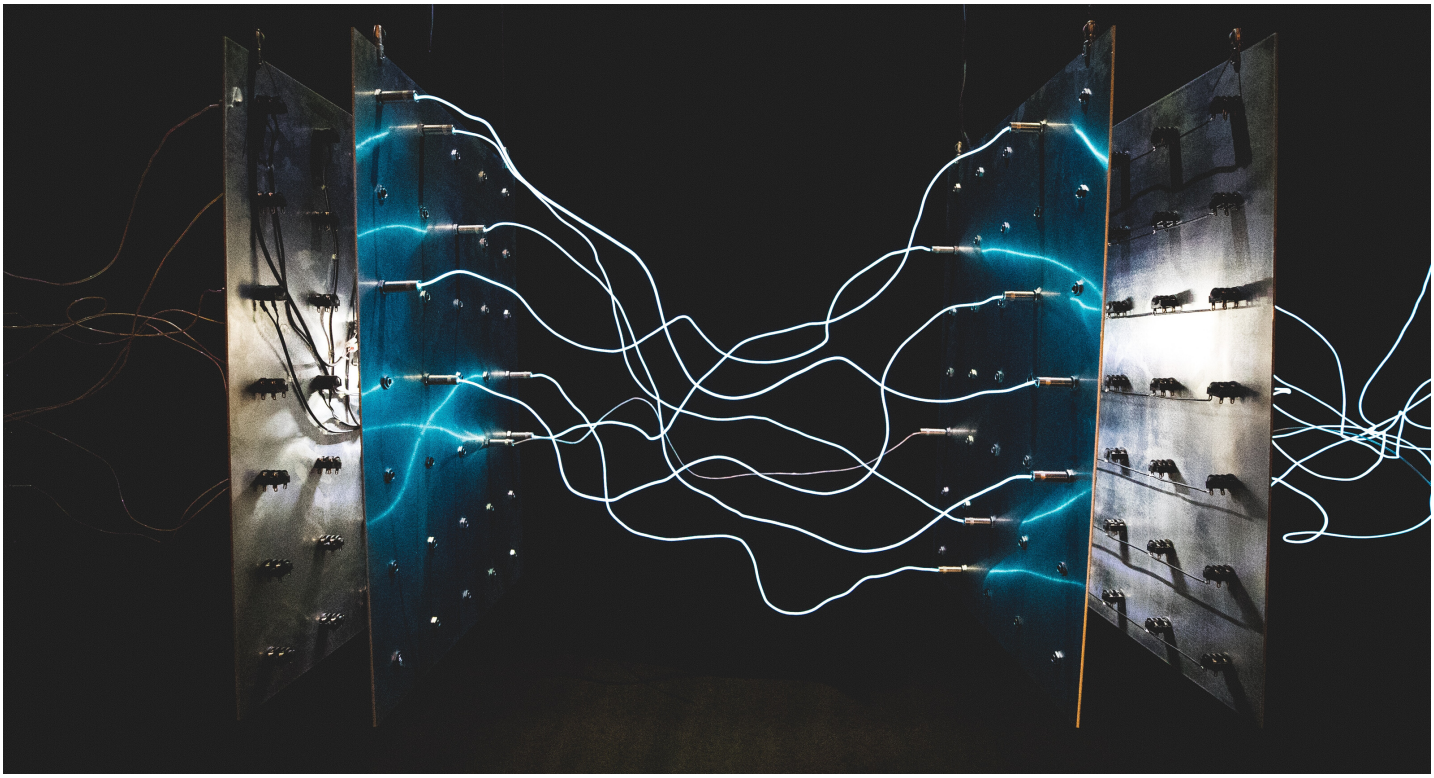
JUNE 2020 VOL 2

EFUTURES

MONTHLY NEWSLETTER



Hello from eFutures 2

We hope you find the events, opportunities and features in this newsletter useful. If you would like anything included in July's edition, please submit to efutures@qub.ac.uk.

To start off this month's edition, we would like to draw your attention to a statement from our friends at the Association for Black and Minority Ethnic Engineers *(www.afbe.org.uk)*:

"Now is the time for engagement, our allies/ champions cannot afford to be silent, they must not avoid difficult conversations around race and ethnicity. Efforts by our leaders at this time will ensure that their employees return to work engaged and feeling part of a great whole."

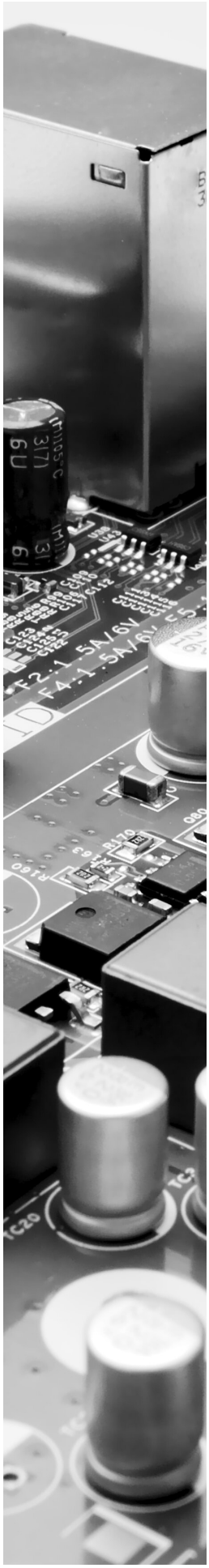
Please take the time to read the whole statement here

In this month's issue:

@efuturesuk

efutures@qub.ac.uk

Dates for the diary



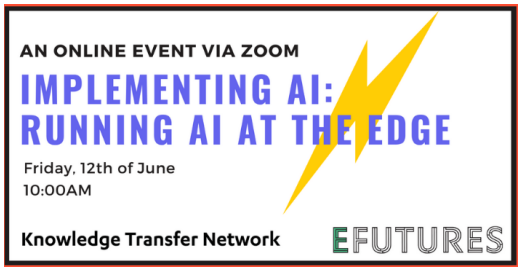
EPSRC ICT call in Hardware for Efficient Computing

The EPSRC is inviting submission of full proposals to a Hardware for Efficient Computing call.
The call closes **July** 23**rd at** 16.00
Click here for more information

Engineering and Physical Sciences Research Council

Implementing AI: Running AI at the Edge

The **Implementing AI**: **Running AI at the Edge**, hosted by KTN and eFutures, is the second event of the Implementing AI webinar series.
Taking place on 12**th June** 10.00 - 12.00, to register please click here.



5th IEEE Electron Devices Technology and Manufacturing Conference, 2021

The call for papers is now open for the 5th annual EDTM conference taking place in China, March 2021.
The paper submission deadline opens **August** 1**st** 2020.
Also open is the call for exhibitors and sponsors.
For further information, please click here.

edtm 2021
Electron Devices Technology and Manufacturing Conference

Connected Everything II: Accelerating Digital Manufacturing Research Collebatoration and Innovation

CEII is looking to fund a round of feasibility studies with a specific focus on regulation. Projects can be between 6-12 months in length and must complete before the end of September 2021. They expect to fund up to 2 projects of up to a maximum value of £60,000.Their key question is *"how will governance and assurance of safety in highly regulated sectors take place using a probalilistic, through-life approach?"*
Closing date **Monday** 22**nd June** 2020, for more information click here for more information.

connected everything.

Other News

Survey: Impact of COVID-19 on researchers and the UK Research Base

BEIS (via Vitae) are gathering avidence on the impact of COVID-19 on the research community through a survey. "The results will form a crucial part of BEIS's submission to sustain the UK research base."
If you would like to participate in the survey, please click here for more information.

UKRI Microelectronics Support Centre

UK Research and Innovation

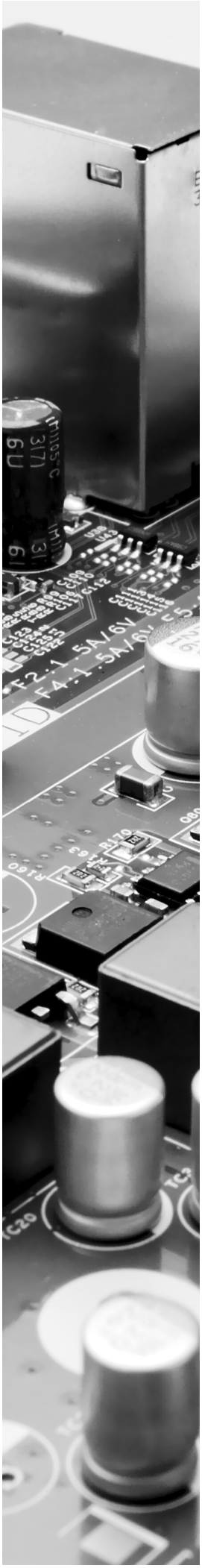
The UKRI Microelectronics Support Centre remains open as it has throughout the current Coronavirus period. Orders for new design tool licenses and technical support of tools and design flows is available to academics from the UK and continental Europe.
The popular instructor-led microelectronics design flow training courses at Rutherford Appleton Laboratory are temporarily suspended and will return as soon as Covid19 control restrictions permit. However, in the meantime, webinars and self-paced training modules on a wide range of IC, PCB and MEMS topics are available.
The UKRI Microelectronics Support Centre may be contacted via MicroelectronicsCentre@stfc.ac.uk or by visiting www.europractice.stfc.ac.uk

eFutures Women's Group

The UK has the lowest amount of women engineering professionals in Europe, and has seen no growth in women studying engineering and technology in a decade, Electrical engineering has a particularly small cohort of women studying it (c. 5% at undergraduate). There is clearly much work to do in boosting the numbers of women studying EEE; and also in supporting the small number of women working within EEE across UK universities.
To begin helping to redress the balance, we are setting up a working group, with anyone identifying as a women very welcome to join. If you would like to be involved in this, please email beth.mcevoy@qub.ac.uk

EPSRC New Horizons Call

Up to £10million is available to support projects of up to £200k each for 24 months in duration.
EPSRC invites the submission of proposals for projects within the Physical and Mathematical Sciences themes. For further information click here.



Researcher Spotlight: Dr Elizabeth Rendon-Morales

Each month we are going to be focusing on one member if our eFutures network. We would love to hear from you if you would like to feature: efutures@qub.ac.uk

Dr. Elizabeth Rendon-Morales is a Senior Lecturer in Electrical and Electronics Engineering in the Department of Engineering and Design at the University of Sussex. She sits on the eFutures steering group. Her areas of expertise include sensors, electronics, robotics and telemetry systems; and her current research is concentrated on the design, development and testing of sensing electronic systems and medical instrumentation.

Within the sensing area, she is leading the development of advanced sensing devices to monitor electrocardiogram [ECG] signals on living organisms, including zebrafish, premature babies and fetuses during early pregnancy and throughout labour. On the robotics area, she is leading the development and integration of micron level sensors and precision instrumentation tools in order to achieve high linearity and repeatability, which could contribute to the next generation of surgical robotic systems.

In 2016, Elizabeth was a Marie Sklodowska-Curie Actions COFUND post-doctoral fellow. She completed her PhD in communications engineering and telemedicine applications at the Technical University of Catalonia, Barcelona Spain. She has a BSc degree in Telecommunications Engineering from National Autonomous University of Mexico, School of Engineering, and a MSc degree in wireless communications from ITAM/ Telecom Bretagne, Rennes France. She’s also got industrial experience, having worked on the evaluation of wireless technologies from Nortel Networks, Alcatel, Ericson at the America Movil-AT&T research laboratories USA-Mexico. Since 2017 she has lead an outreach program to promote Women's Participation in Science and Engineering. She is the leader of the Sussex Women in Engineering Society (WES) and the Athena SWAN chair at the School of Engineering and Informatics. She is passionate about encouraging young women to pursue careers in science and engineering, and she is especially motivated to inspire her three-year-old daughter, Ely. A talented science communicator, Elizabeth has been an invited speaker to events to communicate her research to non-technical audiences (e.g. Soapbox Science 2018; the Big Bang Fair 2019); and liaised with press to communicate her research on sensor developments in the media (i.e. Jan 2019 "Stress-free way to listen to your unborn baby’s heartbeat" in Reuters Media Press).