

# Diamond Science and Technology Newsletter

## March 2018

### Winter 2018 Graduation

Congratulations to cohort 3 who graduated with the Master of Science in Diamond Science and Technology on Wednesday 17 January 2018.

The following prizes were awarded:

Best performance - Max Williams

Most improved - Claire Meara



Cohorts 3 and 4 with Mark Newton, Julie Macpherson and Claire Hurley

### Outreach

#### XMaS Science Gala

University of Warwick

Wednesday 31st January 2018

DST Warwick students: Alex Borrill, Phil Diggle, Luke Johnson

Warwick's annual XMaS Science Gala is put on to showcase all the exciting science that happens at the University of Warwick, and the DST CDT was lucky enough to grab a spot amongst all the other amazing science! Held on the evening of Wednesday 31 January 2018, the event saw 750 participants. On our stand we took the ever popular ice melting demo, which never fails to impress everyone who feels the immediate effect diamond can have. Not only this, but our electrochemistry stand also lit up our visitors faces as we showed how diamond can be modified to become electrically conductive enabling new and updated technologies!

– Phil Diggle



### Ice melting demonstration

Photo: Phil Diggle

Coming soon:

### British Science Week

Llanwern High School (with CDT students from Cardiff and Bristol)

Friday 16th March 2018

As part of British Science Week, the School is putting on a fair. The CDT will be have an interactive stall on diamonds.

Keep up to date with our outreach events:

<https://warwick.ac.uk/fac/sci/dst/outreach/>

@DiamondCDT

## Publications

M. N. R. Ashfold, **E. J. D. Mahoney (cohort 1 Bristol)**, S. Mushtaq, B. S. Truscott and Y. A. Mankelevich, Chem. Comm. (2017) 53, 10482-10495, "What [plasma used for growing] diamond can shine like flame?" doi: 10.1039/C7CC05568D (Bristol - Moscow collaboration)

Soumen Mandal, Evan L.H. Thomas, Laia Gines, David Morgan, **Joshua Green (cohort 2 Cardiff)**, Emmanuel B. Brousseau and Oliver A. Williams, Carbon, (2018), 130, 25-30 "Redox agent enhanced chemical mechanical polishing of thin film diamond" doi.org/10.1016/j.carbon.2017.12.077 (Cardiff Physics, Engineering, Catalysis Centre collaboration)

## Next edition

Please send us your good news stories and photos, and let us know about your upcoming papers.

Email: [DST.Admin@warwick.ac.uk](mailto:DST.Admin@warwick.ac.uk)

Correction: This newsletter was updated on 12/03/18 to correct the cohort numbers in *Winter 2018 Graduation*