



## Early Career Researchers in gas, volatiles, particulate analysis and sensing

### 4th Early Career Researchers Meeting

Chicheley Hall, Chicheley, MK16 9JJ (and online)

Thursday, 23rd March 2023

Email: [admin@gasg.info](mailto:admin@gasg.info) | Web: [www.gasg.info](http://www.gasg.info) | Twitter: [@GasAnalysisSens](https://twitter.com/GasAnalysisSens) | Facebook: [@GasInterestGroup](https://www.facebook.com/GasInterestGroup) |  
LinkedIn: [Gas Analysis and Sensing Group \(GASG\)](https://www.linkedin.com/company/gasg)

**GASG Committee** Jane Hodgkinson (Chair), Cranfield University | Joe Watson (President) | Peter Walsh (Vice Chair) | John Saffell, Nosmotech | Christopher Holmes (IT Director), University of Southampton | Oliver Gould, University of the West of England | Laura Roberts, PPM Technology | Adrian King, AWE | Martin Willett (Publications Director) | Andy Curtis, (Company Secretary), STA |

**GASG Corporate Members** Analog Devices Inc | AWE plc | City Technology Ltd | Cranfield University | Draeger Safety UK Ltd | HSE | Ion Science Ltd | Johnson Controls International | Johnson Matthey | McGowan Sensor Labs Ltd | Pyreos Ltd | Qinetiq | TTP plc | University West of England |



- 10.15 Registration, Tea, Coffee
- 10.45 Welcome by Adrian King (session chair)
- 10.50 Plenary Lecture – Forensic VOC Analysis, Jim Reynolds (Loughborough University)
- 11.30 VOCs in Astrobiology - An exploration in Analogues, Claire Batty (The Open University)
- 11:45 Volatile detection and analysis in deepest Peru, Amy Smart (University of Copenhagen) \*\*\*  
**recorded presentation.**
- 12.00 Anti-gas detection – making measurements between water absorption lines,  
Nicholas Davis (Cranfield University)
- 12.15 Non-invasive determination of airborne pesticide residues in museum collections,  
Célia Lourenço (Cranfield University)
- 12.30 Lunch and networking
- 13.45 Urinary volatile organic compound testing in fast-track patients with suspected colorectal  
cancer, Oliver Gould (University of the West of England)
- 14.00 Title TBA, Sam Ahmadzadeh (University of the West of Scotland)
- 14.15 Interferometric fringe fighting in TDLS, James Bremner (City, University of London)
- 14.30 Oxygen monitoring in wire and arc additive manufacturing, Nina Binaei (Cranfield University)
- 14:45 Emissions of VOCs from cooking and cleaning, and implications for indoor air quality, Ellen  
Harding-Smith (University of York) \*\*\***Online**
- 15:00 Mapping global natural emissions of trace gases using an autonomous custom-built gas  
chromatograph, Valerio Ferracci (Cranfield University)
- 15.15 Tea and break to decide the winners
- 15.30 Prize Giving
- 15.45 Close

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# GASG Early Career Forum Registration

**Please complete and return by email to: [admin@gasg.info](mailto:admin@gasg.info)**

**Name**

**Email address**

**Member Type**

(Member / corporate member / non-member / speaker)

**Attendance Type**

**Company**

**Invoice Address**

## **Registration Fees**

Speakers / Poster presenters £50

GASG member (FACE-TO-FACE) £75

GASG member (VIRTUAL) FREE (up to 2 places)

GASG corporate member (FACE-TO-FACE) FREE (up to 2 places)

GASG corporate member (VIRTUAL) FREE (up to 10 places)

Non-member (FACE-TO-FACE) £150

Non-member (VIRTUAL) £60

All registration fees include lunch and refreshments

## **Payment Methods**

Credit Card or Debit Card Payments:

Please use the 'Pay Now' button on the invoice or via PayPal - [paypal.me/GASG](https://paypal.me/GASG)

BACS Payment:

BARCLAYS, Account Number 10692921, Sort Code 20-05-74

Address: Gas Analysis and Sensing Group, Unit A7 Stondon Manor Farm, Meppershall Road, Upper Stondon, Henlow, Beds, SG16 6LY



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