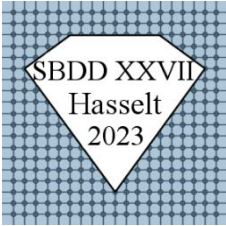


2<sup>nd</sup> announcement

<http://www.uhasselt.be/sbdd>



# *Hasselt Diamond Workshop 2023*

## *SBDD XXVII*



**March 15 – 17, 2023**  
**cultuurcentrum Hasselt (Cultural Centre), Hasselt, Belgium**

*SBDD XXVII will cover annually returning topics with special emphasis on electronic applications, while also covering annually returning topics. This comprises the growth of high-quality diamond material, including, doping, physics of colour centres and their properties, chemistry and physics of diamond surfaces, etc. Furthermore, use of these properties in high-power electronics, quantum devices, biomedical and bio-sensing applications, magnetic resonance, and many more will be discussed.*

*The 27<sup>th</sup> edition of SBDD is looking forward to provide a forum where fundamental and application driven viewpoints can be discussed on the highest level.*

## Note

SBDD XXVII will cover three **full** days, **starting on Wednesday morning** (~8.30 AM) and ending **Friday afternoon** (~4 PM). Through the yearly rotation of the Chair, each edition gets a clear signature programme based on the Chair's field of expertise. The **SBDD XXVII** programme will cover annually returning topics with *special emphasis on diamond for electronic applications*. Traditionally, **SBDD XXVII** is looking forward to provide a forum where fundamental and application driven viewpoints can be discussed on the highest level.

### Abstracts on the following topics are encouraged

- High purity CVD diamond growth
- Diamond doping and colour centres
- Defect spectroscopy and transport
- Nanodiamond particles, characterisation and applications
- Diamond electronic devices
- Quantum sensing and related technologies, theory aspects
- Diamond electrochemistry and biosensing devices
- High energy radiation and particle detectors
- Diamond surfaces and nanostructures
- And many others ...

**Abstracts** must be submitted electronically [here](#) and must follow the **template** available at that link.

The confirmation of **acceptance** of the abstract will be sent before **February 10, 2023**, together with the type of presentation, i.e. oral or poster.

The **deadline** for submission of abstracts is **January 16, 2023**. Late abstracts will only be considered for posters.

## Invited Speakers

**Kirstine Berg-Sørensen**, *Technical University of Denmark, Denmark*  
*on sensing in biological systems using NV centres in diamond*

**Dominik Bucher**, *Technische Universität München, Germany*  
*on diamond quantum sensors for NMR spectroscopy*

**Hiroshi Kawarada**, *Waseda University, Japan*  
*on Si-terminated diamond devices*

**Jianbo Liang**, *Osaka City University, Japan*  
*on diamond wafer bonding*

**Patrick Salter**, *University of Oxford, U.K.*  
*Femtosecond laser writing inside diamond*

**Hitoshi Umezawa**, *National Institute of Advanced Industrial Science and Technology (AIST), Japan*  
*on radiation hardened diamond transistors*

More speakers will be added in the near future. Please check our [website](#) regularly

## Venue

SBDD XXVII will take place at its traditional venue in the centre of Hasselt. The cultuurcentrum Hasselt is situated in the centre of Hasselt, just outside the ring road, and can be easily reached on foot.

cultuurcentrum Hasselt, Kunstlaan 5, B-3500 Hasselt, Belgium



## Hotel

A number of rooms are pre-booked at a special rate in the [Express by Holiday Inn](#) hotel in Hasselt. The price for a single/double room will be € 105, per room, per night, breakfast included, plus additional € 2.5 city tax per night, per person. To book a room, **please, only use this link:** [Hasselt Diamond Workshop 2023 - SBDD XXVII](#).

The special rate is valid for stays from Monday, March 13, to Saturday, March 18, 2023.

### Express by Holiday Inn

**Address:** Thonissenlaan 37, B-3500 Hasselt

**Tel:** +32 (0) 11 24 22 00

**Fax:** +32 (0) 11 22 39 35

**E-mail:** [info@hihasselt.com](mailto:info@hihasselt.com)



The fax and telephone number, and email address given above will lead you to the joint reservation desk of the [Holiday Inn](#) and [Express by Holiday Inn](#), hotels which are both situated in Hasselt. In case of problems, we kindly ask to use these contact details.

In case of direct contact with the reservation desk, do not forget to mention your participation to "**Hasselt Diamond Workshop 2023 – SBDD XXVII**" in order to reserve one of our pre-booked rooms in the Express by Holiday Inn and to ensure the special rate!

## Manuscripts

Each presenter is offered the opportunity to submit a manuscript, which will go through a normal double peer reviewing process. Traditionally, all accepted manuscripts will be published in a special issue of *physica status solidi (a)*. Oral as well as poster presenters are encouraged to submit. Submission should be done online using a dedicated website. The link will appear on the SBDD XXVII website. Do **not** send your manuscript to the Editorial Office of *physica status solidi*.

Please go to the SBDD XXVII website for manuscript preparation instructions and templates:  
<https://www.uhasselt.be/sbdd#anch-334-special-issue>.



## Registration details

### Conference fee "SBDD XXVII"

€300

This fee includes welcome & poster receptions, coffee breaks, and lunch during the three days of the conference.

### Student conference fee "SBDD XXVII"

€220

This fee includes welcome & poster receptions, coffee breaks, and lunch during the three days of the conference.

### Conference dinner (optional) "SBDD XXVII"

€70

Thursday evening, March 16, 2023.

## Registration

Tuesday, March 14, 18:00 – 19:00: [Express by Holiday Inn](#)

Wednesday, March 15, 8:30: cultuurcentrum Hasselt

## Registration form

Please find the online registration form on the SBDD XXVII website: <https://www.uhasselt.be/sbdd#anch-3c7-registration>.

## Payment

Three different payment options are available:

- **Bank transfer:** the total amount (fee + optional conference dinner) must be paid to the under mentioned account **before March 14, 2023**.

**Bank:** BNP Paribas Fortis

**Address:** Warandeberg 3, B-1000 Brussels, Belgium

**IBAN:** BE77 0010 1870 7942

**BIC (= SWIFT):** GEBABEBB

**Account holder:** Hasselt University, Martelarenlaan 42, B-3500 Hasselt, Belgium

**Reference:** **WOG/SBDD XXVII – 2023/'name of participant(s)'**

- **Credit Card:** the total amount must be paid at registration. An official SBDD receipt of payment will be provided upon request.
- **Invoice:** to request an (electronic) invoice, please mail send an e-mail to the [Conference Secretary](#) including the name(s) of the registrant(s), the total amount to be paid, the VAT number of your university/institute/company, the exact (email) address where to send it to, and any other details that need to be included on the invoice. If the invoice must be based on an order form, please make sure to provide this form **before March 9, 2023** by [email](#).
- **We cannot accept cash payment anymore! We apologise for the inconvenience this might cause.**

## Committees

### Organisation

**David A.J. Moran** (Chair), University of Glasgow, U.K., E-mail: [david.moran@glasgow.ac.uk](mailto:david.moran@glasgow.ac.uk)

**Ken Haenen** Hasselt University & IMEC vzw, Belgium, E-mail: [ken.haenen@uhasselt.be](mailto:ken.haenen@uhasselt.be)

**Miloš Nesládek** Hasselt University & IMEC vzw, Belgium, E-mail: [milos.nesladek@uhasselt.be](mailto:milos.nesladek@uhasselt.be)

**Jeroen Prooth** (Conference Secretary), Hasselt University & IMEC vzw, Belgium, E-mail: [sbdd@uhasselt.be](mailto:sbdd@uhasselt.be)

**Nora Colson** (Conference Vice-Secretary), Hasselt University & IMEC vzw, Belgium, E-mail: [sbdd@uhasselt.be](mailto:sbdd@uhasselt.be)

### Programme Board

**Jocelyn Achard**, *Université Sorbonne Paris Nord, France*

**Julien Barjon**, *Université de Versailles Saint-Quentin-en-Yvelines, France*

**Christoph Becher**, *Universität des Saarlandes, Germany*

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**Oliver A. Williams**, *Cardiff University, U.K.*

**Nianjun Yang**, *Universität Siegen, Germany*

## Deadlines

<b>January</b>	<b>16</b>	<b>2023</b>	<b>Deadline for uploading of abstracts</b>
February	10	2023	Confirmation of acceptance of abstracts
February	24	2023	Full programme and final announcement
March	8	2023	Registration deadline
March	31	2023	Deadline for receiving the manuscripts

Workshop sponsored by [Hasselt University](#) through the [Institute for Materials Research \(IMO\)](#), [IMOMECC](#), [STPL](#), and [MUEGGE GmbH](#).

