



Hasselt Diamond Workshop 2023

SBDD XXVII



March 15 – 17, 2023

cultuurcentrum Hasselt (Cultural Centre), Hasselt, Belgium

Making use of the excellent facilities of the cultuurcentrum Hasselt for three full days, the **SBDD XXVII** programme is **focussed on diamond for 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 quantum devices, high-power electronics, biomedical and bio-sensing applications, magnetic resonance, and many more will be discussed. Traditionally, **SBDD XXVII** is aiming at providing a forum where fundamental as well as application driven viewpoints can be discussed at 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 ...

Special Issue

In the framework of SBDD, a Special Issue on "Recent Advances in Diamond Science and Technology" will be published in a special issue of [physica status solidi \(a\)](http://www.physica-status-solidi-a.com). All oral and poster presenters are cordially invited to contribute.



Venue

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



Abstracts

Abstracts should be uploaded [here](http://www.uhasselt.be/sbdd). An abstract can contain figures and tables but the total length **must not** exceed one A4 page. Accepted file formats are doc and pdf. More info at <http://www.uhasselt.be/sbdd>.

Deadlines

December 12 2022 2nd Announcement including invited speakers and registration form

January 16 2023 Deadline for uploading of abstracts

February 10 2023 Confirmation of acceptance of abstracts

February 24 2023 Full programme and final announcement

March 8 2023 Registration deadline

Organisation

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Programme Board

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Workshop sponsored by [Hasselt University](http://www.uhasselt.be) through the [Institute for Materials Research \(IMO\)](http://www.imo-imec.com) and [IMOMECE](http://www.imec.com).

