



Hasselt Diamond Workshop 2024

SBDD XXVIII



February 28 – March 1, 2024
cultuurcentrum Hasselt (Cultural Centre), Hasselt, Belgium

Making use of the excellent facilities of the cultuurcentrum Hasselt for three full days, the SBDD XXVIII programme is **focused on diamond surfaces and interfaces** 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 XXVIII 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 more ...

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)*. 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](#). 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

January 3 2024 2nd Announcement including invited speakers and registration form

January 10 2024 Abstract submission deadline (oral presentations)

January 24 2024 Confirmation of acceptance of abstracts

February 19 2024 Full programme and final announcement

February 28 2024 Registration deadline

Organisation

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Programme Board

Jocelyn Achard (France), **Julien Barjon** (France), **Christoph Becher** (Germany), **Philippe Bergonzo** (France), **Chia-Liang Cheng** (Taiwan), **Ádám Gali** (Hungary), **Etienne Gheeraert** (France), **Fedor Jelezko** (Germany), **Satoshi Koizumi** (Japan), **Anke Krueger** (Germany), **Quan Li** (Hong Kong), **Paul W. May** (U.K.), **David A. J. Moran** (U.K.), **Mark E. Newton** (U.K.), **Shannon S. Nicley** (U.S.A.), **Julien Pernot** (France), **Bohuslav Rezek** (Czech Republic), **Jean-François Roch** (France), **Romana Schirhagl** (Netherlands), **Matthias Schreck** (Germany), **Michael Trupke** (Austria), **Hitoshi Umezawa** (Japan), **Oliver A. Williams** (U.K.), **Nianjun Yang** (Belgium).

Workshop sponsored by [Hasselt University](#) through the [Institute for Materials Research \(IMO\)](#) and [IMOMEC](#).

