

ACCESS BY PLANE

Berlin operates the newly opened Berlin Brandenburg international airport (BER), offering direct flights to 180 destinations in 54 countries. The airport is ca. 30 minutes from the conference venue by public transportation or taxi. Long-distance carriers also offer connecting flights to Berlin via their European hubs, e.g., Frankfurt, Munich, Paris, Amsterdam, Helsinki, and London.



ACCESS BY TRAIN

For travel within Germany nine high speed train routes (ICE) link Berlin to many destinations. www.deutschebahn.com

Berlin's public transportation authority BVG offers a dense network of subway lines (U-Bahn), rapid transit railways (S-Bahn), street cars (Tram), and bus lines. www.bvg.de

www.iwn2022.org



VENUE

The Hotel Berlin Central District (formerly Maritim Hotel) is located in the center of Berlin, on the southern edge of the Tiergarten park and the embassy quarter. The venue is a major conference hotel, offering comfort and convenience (including free internet access).

Many historic sites as well as the government district with Brandenburg Gate, Reichstag Building, Federal Chancellery, are just a short stroll away.



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map: www.visitBerlin.de



International Workshop on NITRIDE SEMICONDUCTORS

9-14 OCTOBER 2022
BERLIN, GERMANY

Honorary Chair

Axel Hoffmann
Bo Monemar

Chairmen

Jürgen Christen
Michael Kneissl

Program Chair

Bernard Gil

Local Chair

Ulrich Schwarz

Conference Secretary

Tim Wernicke

www.iwn2022.org



SCOPE

The International Workshop on Nitride Semiconductors (IWN 2022) will be organized as a combination of five independent symposia by the Program Committee Chairs for Europe, Asia, and America: Andreas Waag, Hiroshi Fujioka, and Russell Dupuis.

Conference Proceedings will be published in a special volume of physica status solidi. Publishing Chairs are Åsa Haglund and Matteo Meneghini.

www.iwn2022.org

TOPICS

GROWTH

The GR symposium welcomes contributions to III-nitride crystal growth, III-nitride epitaxy, doping and point defects, nitride alloys, and heterostructures as well as growth methods and growth technologies.

Symposium Chairs: Zlatko Sitar, Ramon Collazo (NCSU, USA)

CHARACTERIZATION

The CR symposium covers investigations of the optical and electronic properties of III-nitrides, structural analysis, defect characterization, nanophotonics, and nanoelectronics as well as theory and simulation.

Symposium Chair: Yoichi Kawakami (Kyoto University, Japan)

OPTICAL DEVICES

The OD symposium welcomes contributions on nitride based light emitters such as micro-LEDs, VCSEL, edge emitting laser diodes, multi-section laser diode, UV-LEDs, UV-laser diodes, single photon emitters, tunnel-junction LEDs, photodetectors, nanophotonic physics and devices, frequency combs, non linear optics, and intersubband emitters as well as device technologies and simulation.

Symposium Chair: Jean Yves Duboz (CRHEA, France)

ELECTRONIC DEVICES

The ED symposium discusses growth, fabrication, characterization, degradation and simulation of electronic devices for high power switching, high frequency, high temperature, RF applications, including vertical electronic devices, and combination with new materials (e.g. AlN, Ga₂O₃).

Symposium Chair: Srabanti Chowdhury (Stanford University, USA)

NOVEL MATERIALS AND NANOSTRUCTURES

The NM&NS symposium discusses growth, fabrication, characterization of nanostructures such as nanowires, quantum dots, micropillars, photonic crystals and devices based on these as well as growth and characterization of novel materials such as Boron containing III-nitrides, 2D materials, quaternary InAlGa_n, etc.

Symposium Chair: Yasuhiko Arakawa (The University of Tokyo, Japan)



GENERAL INFORMATION

FORMAT OF THE WORKSHOP

IWN 2022 comprises joined plenary sessions, five parallel topical symposia, three poster sessions, and an evening rump session. Welcome reception, conference dinner, and excursion allow all participants to meet and mingle in a stimulating yet informal way. The conference will be framed by an industrial exhibition. On Friday afternoon lab tours to designated research institutes and TU Berlin will be offered.

WORKSHOP LANGUAGE

The official language of IWN will be English.

SUBMISSION OF ABSTRACTS

Please submit the abstract via the conference webpage www.iwn2022.org. Prepare a short (200 words) abstract for the conference booklet and a one page abstract (second page with figures optional) for the refereeing process. Details can be found on the conference webpage.

ABSTRACT DEADLINE: 14 APRIL 2022

FURTHER INFORMATION

Please visit www.iwn2022.org for details on registration, hotel, visa, and other information. You may contact the IWN2022 conference secretary at iwn2022@conventus.de.

EXHIBITION AND SPONSORSHIP

The commercial exhibition will feature international exhibitors from all sectors of materials science and engineering. Official sponsors for various workshop events are also being solicited. For more information, please contact Conventus.

PROFESSIONAL CONFERENCE ORGANIZER

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