

Registration and Contact

Registration

Please register online:

www.udue.de/scientist

Participation is free of charge.

Contact

Prof. Dr.-Ing. Andreas Stöhr

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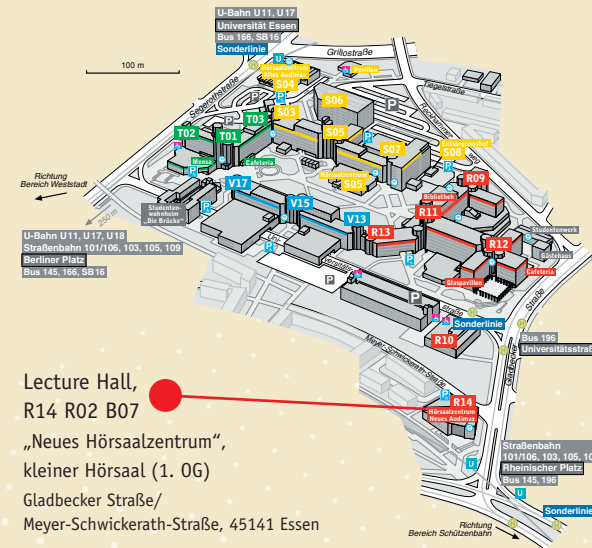
With generous support from



Sparkasse Essen

Location

Campus Essen



Campus Duisburg



The Future of Integrated Photonics

Professor John E. Bowers

Department of Electrical and Computer Engineering
University of California, Santa Barbara

Scientist in Residence 2015/16

Scientist in Residence

The Scientist in Residence for the winter term of 2015/16 has been nominated by the University Alliance Ruhr's key program "Materials Chain". On the occasion of the global initiative "International Year Of Light (IYL 2015)" adopted by the United Nations and on the occasion of the 25th anniversary of the Optoelectronics department at University Duisburg-Essen, this year's position will be held by one of the most recognized international experts in the field of photonics, Professor John E. Bowers. He is the Director of the Institute for Energy Efficiency at the University of California, Santa Barbara and holds the Fred Kavli Chair in Nanotechnology.

Key program "Materials Chain"

The University Alliance Ruhr's key program "Materials Chain" bundles and strengthens the research activities in the field of materials science at the three universities of Dortmund, Bochum and Duisburg/Essen. The goal of the collaboration is to reach a complete and concise description of the whole materials chain – from atoms to finished technical components and vice versa.

The Scientist in Residence

The Scientist in Residence is a guest professorship annually awarded by the University of Duisburg-Essen and funded by the Sparkasse Essen. It allows the University to invite leading international experts for an intensive dialogue with senior as well as junior researchers. The interested public is invited to a public lecture, in which the Scientist in Residence gives fascinating insights into his field of research.



25th anniversary

Professor John E. Bowers



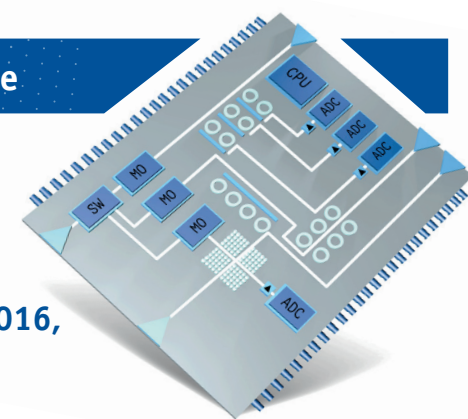
Professor John E. Bowers
Department of Electrical
and Computer Engineering
University of California,
Santa Barbara

John E. Bowers is Professor in the Department of Electrical and Computer Engineering at the University of California, Santa Barbara. He is the Director of the Institute for Energy Efficiency. Prof. Bowers received his M.S. and Ph.D. degrees from Stanford University and worked for AT&T Bell Laboratories and Honeywell before joining UC Santa Barbara.

Professor Bowers' research interests are in silicon photonic integrated circuits for the next generation of coherent optical systems.

Prof. Bowers is a member of the National Academy of Engineering, a fellow of the IEEE, OSA and the American Physical Society, a recipient of the OSA Holonyak Prize, the IEEE LEOS William Streifer Award and the South Coast Business and Technology Entrepreneur of the Year Award. In 2015 he was appointed Director of the American Institute for Manufacturing of Photonics (AIM) – West Coast Hub – by the Obama administration.

Programme



**January 28, 2016,
18:00**

PUBLIC LECTURE

The Future of Integrated Photonics

Professor John E. Bowers
Department of Electrical and Computer Engineering,
University of California, Santa Barbara
Reception, 19:30
Lecture Hall, R14 R02 B07
„Neues Hörsaalzentrum“, kleiner Hörsaal (1. OG)
Gladbecker Straße/Meyer-Schwickerath-Straße, 45141 Essen

January 29, 2016, 9:00-15:00

SYMPOSIUM/WORKSHOP

Integrated III/V and Silicon Photonics

(by invitation only)
Fraunhofer inHaus-Zentrum
Forsthausweg 1, 47057 Duisburg

January 27-29, 2016

FIWIN5G Research training in photonic clean room technologies

(by invitation only)
Zentrum für Halbleitertechnik und Optoelektronik (ZHO)
Building LT, Lotharstr. 55, 47057 Duisburg



For further information please see:
www.uni-due.de/de/scientist