



The Global LiFi Innovation and Industry Seminar

Hosted by the International SSL Alliance (ISA)

January 26th – 27th, 2021

online events @ Zoom platform

link: <https://us02web.zoom.us/j/86853283894?pwd=cytUcUY3L1pCd2xZUmo2ZUhmMYDc4Zz09>

Meeting ID: 868 5328 3894 Password: 029863

The announcement of the first LiFi Seminar of The International Solid State Lighting Alliance marks an important milestone. It recognized the importance of the diversification of lighting which really has been enabled by the advent of solid state lighting (SSL). By its nature, light is a form of electromagnetic radiation and this logically builds the bridge to wireless communications. However, it is essential that the devices that perform the opto-electric conversations fulfil requirements that are beyond those typically considered in lighting. It is, therefore, essential that stakeholders in the lighting industry and the wireless communications industries meet to jointly advance this field. Also, it is important to recognize that the field of optical wireless communications has been significantly advanced by a growing research community. What we are now seeing is a large-scale market adoption of this technology. This is driven by international industry leaders. I am, therefore, thrilled that the program endorses this global development by covering technical as well as commercial aspects of LiFi.

I am personally fascinated about the global interest in LiFi. It has the potential to future-proof wireless communications technology. At the same time, it could completely re-define our ordinary light bulb. I hope this seminar will be a catalyst for new global collaborations and new developments, and hopefully it will be the start of a series of events around a paradigm-changing wireless technology which hopefully will touch everyone in the not-too-distant future.

Thank you for your contribution and I look forward to virtually meeting you on the 26th and 27th January.

Professor Harald Haas

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Chairman ISA LiFi Committee

About ISA

ISA is an international not-for-profit NGO, registered in Hong Kong, aiming to promote the sustainable development and application of Solid State Lighting (SSL) worldwide. ISA currently has 76 members with more than 4,000 associated members, representing 70% of the output of global SSL industry. ISA members consist of almost all the major players of the global SSL community, including leading industry, academic and application entities, such as Signify, Osram, Panasonic, Cree, Samsung,

MLS, Epistar, San'an, Sansi, Unilumin, Aixtron, DISCO, etc.

Research and Innovation, January 26th

18:00-18:10 (all Beijing times)	<p>Welcome Address</p> <p>Dr. CAO Jianlin (TBC) President of ISA Former Vice Minister, Ministry of Science and Technology, China</p>
	<p>Section I Keynote Speech</p>
18:10-18:40	<p>"LiFi – The Catalyst for New LED Applications"</p> <p>Distinguished Prof. Harald Haas Director of LiFi Research and Development Centre (LRDC) Department of Electronic & Electrical Engineering University of Strathclyde, UK Chairman of ISA LiFi Committee Member of ISA Board of Advisors</p>
18:40-19:10	<p>"Innovation in silicon substrate LED technology for LiFi"</p> <p>Prof. JIANG Fengyi (Academician) Nanchang University, China</p>
	<p>Section II Research and Innovation</p>
19:10-19:30	<p>"High-Speed VLC for Long-Distance Applications Using a GaN-Based Series-Biased Micro-LED Array"</p> <p>Prof. Martin D. Dawson University of Strathclyde, UK</p>
19:30-19:50	<p>"Petahertz Communication for 6 G"</p> <p>Prof. XU Zhengyuan University of Science and Technology of China, China</p>
19:50-20:10	<p>"High-Speed Optoelectronics for Visible Light Communication"</p> <p>Prof. Boon S. Ooi Professor and Chair of Electrical Engineering, King Abdullah University of Science and Technology (KAUST), Saudi Arabia</p>
20:10-20:30	<p>"LiFi Innovation"</p> <p>Prof. CHEN Ming Southeast University, China</p>
20:30-20:50	<p>"Towards an energy autonomous module for IoT using LiFi/VLC"</p> <p>Prof. Davies William de Lima Monteiro PhD - OptMA_lab, Universidade Federal de Minas Gerais (UFMG), Brazil</p>
20:50-21:00	<p>Summary</p>
21:00	<p>Adjourn</p>

Industry and Applications, January 27th

18:00-18:05 (all Beijing times)	Welcome Address
	Section II Research and Innovation
18:05-18:25	<p>“High Speed Visible Light Communication Technology” Prof. CHI Nan Director of the Department Communications Science and Engineering, Fudan University, China</p>
18:25-18:45	<p>“IEEE 802.11 compatible Li-Fi systems with heterodyne transceivers” Prof. Vladislav E. Bougrov Director of School of Photonics, Professor, ITMO University, Russia</p>
18:45-19:05	<p>“Research in LiFi” Prof. LI Guoqiang School of Material Science and Engineering, South China University of Technology, China</p>
	Section III Industry and Application
19:05-19:25	<p>“The Future Potential of LiFi - Communication” (TBC) Mr. Musa Unmehopa Head of Ecosystems and Alliances for LiFi Signify</p>
19:25-19:45	<p>“LiFi technology innovation and application” Prof. CHEN Xiongbin Institute of Semiconductors, Chinese Academy of Sciences, China</p>
19:45-20:05	<p>“The LiFi Standardization Progress on IEEE 802.11bb” Dr. Nikola Serafimovski PureLiFi, UK</p>
20:05-20:25	<p>“Exploration in LiFi Applications” Mr. CUI Wenhua CTO of Gloria Technology, China</p>
20:25-20:40	<p>“Industrialization Path of Visible Light Communication in China” Dr. ZHU Binbin General Manager of Shenzhen HCCL Technology, China</p>
20:40-20:55	<p>“Principles and Applications of Emerging Optoelectronic Devices for High-speed Underwater Wireless Optical Communications” Dr. SHEN Chao General Manager of Sanoor Tech, China</p>
20:55-21:00	Summary