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Press release

ARTIOSENSE WINS PRESTIGIOUS INSTITUTE OF PHYSICS BUSINESS AWARD

ArtioSense Limited, a spin-out from the University of Cambridge has been awarded the Institute of Physics Lee Lucas Award for **the team's development of novel microfluidics-based force sensing technology for addressing a key unmet clinical need in joint replacement surgery.**

The Institute of Physics (IOP) is the professional body and learned society for physics, and the leading body for practising physicists, in the UK and Ireland. With a rich history of supporting business innovation and growth, it is committed to working with 'physics-powered' businesses, and companies that apply and employ physics and physicists.

The IOP's prestigious Business Awards are unique in the UK and Ireland in recognising the significant contribution that physicists and physics make in industry.

There are three categories of awards – Business Innovation, Business Start-Up Award and the Lee Lucas Award – so businesses at any stage of their development are eligible; from start-ups to multi-national corporations.

The Lee Lucas Award was introduced in 2020 as a new category within the Business Awards. It recognises and celebrates early-stage companies taking innovative products into the medical and healthcare sector. This award was made possible by the generosity of Dr Mike Lee & his wife Mrs Ann Lee (née Lucas).

ArtioSense comprises a highly inter-disciplinary team, with the founders including Professor of Materials Science Sohini Kar-Narayan, Consultant Orthopaedic Surgeon Vikas Khanduja, biophysicist Jehangir Cama and translational scientist Alex Samoshkin. Speaking on behalf of the founding team, Dr Cama said, "We at ArtioSense are delighted and honoured to have won the IOP's Lee Lucas Award in 2023. ArtioSense aims to bring novel force-sensing technology into the operating theatre to assist orthopaedic surgeons to correctly position and balance implants. This award recognises ArtioSense's multi-disciplinary nature, with physical scientists working closely with a surgeon to solve a clinical unmet need."

Institute of Physics President, Professor Sir Keith Burnett, said:

"The IOP Business Awards recognise and reward the achievements of physics-powered businesses at all stages and of all sizes. Whether well-established or a start-up, an SME or corporation, these innovative companies are making significant contributions to the UK and Ireland's scientific research and development, driving innovation and supporting the economy.

"All of this year's winners have creatively applied physics to bring about positive change to individuals, societies or economies, by tackling a new problem or improving on a previous solution, and all are thoroughly deserving of an IOP Business Award.

“Recent events have underlined the absolute necessity to encourage and reward our scientists. We rely on their dedication and innovation for our lifestyles, wellbeing and safety.”

Ends

Press contacts

**For specific enquiries about ArtioSense Limited, please contact Dr Jehangir Cama:
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For specific enquiries about the IOP Business Awards, please contact business.awards@iop.org

Notes to Editors

The Institute of Physics (IOP)

The Institute of Physics (IOP) is the professional body and learned society for physics in the UK and Ireland. It seeks to raise public awareness and understanding of physics, inspire people to develop their knowledge, understanding and enjoyment of physics and support the development of a diverse and inclusive physics community. As a charity, it has a mission to ensure that physics delivers on its exceptional potential to benefit society.

How the IOP supports physics in business

Physics-powered businesses and physicists working in business are a valued and vital part of the physics community. The IOP provides support through its Business Innovation and Growth Group, a member-led special interest group which supports individuals and businesses of all sizes, as well as entrepreneurs taking ideas to market.

The IOP Business Awards

The Business Awards recognise the significant contribution that physicists and physics make in industry across all sectors and at all stages – from start-ups to multi-national corporations. The awards are a celebration of entrepreneurship, excellence in innovation and the successful use of physics in a product or service.

More information about the IOP Business Awards [here](#)