



**Lanka Graphite Limited**

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## **LANKA GRAPHITE APPOINTS SCIENTIFIC ADVISORY BOARD TO GUIDE COMMERCIALISATION STRATEGY FOR HIGH GRADE SRI LANKAN VEIN GRAPHITE AND GRAPHENE PRODUCTS**

### **Highlights:**

- **Highly experienced and networked graphite and graphene research and development members to assist engagement with high value end users in Asia and US.**
- **High profile Advisory Board appointed to accelerate investment and commercialisation.**
- **Advisory Board consists of key innovators and also graphene manufacturers with linkages to the end user markets.**

**Lanka Graphite Limited (ASX: LGR or the Company)** is pleased to announce the formation of LGR's Scientific Advisory Board. The Scientific Advisory Board will focus on providing valuable scientific and strategic guidance on developing commercial graphite and graphene products for high-value end user markets.

The following well-known experts in their respective fields were appointed today:

### **Chairman of the Scientific Advisory Board – Dr Stanley Chang**

Current Chairman of Medigen Biotechnology Corporation, MD degree from National Taiwan University College of Medicine, Ph.D. degree in Laser Physics and Laser Biology from the University College London of London University, UK

### **Professor Wei-Hung Chiang**

Professor Chiang is an Assistant Professor of the Department of Chemical Engineering at the National Taiwan University of Science and Technology. He graduated from National Taiwan University, and later pursued a Ph.D. in Chemical Engineering, Case Western Reserve University, USA, 2009.

His research specialty areas are plasma processing, catalytic reaction, and nanomaterials science and technology. His work has been recognized by scientific publications in high impact journals such as Nature Materials, ACS NANO, and Advanced Materials, by mainstream media such as Forbes Magazine and ScienceDaily, and by international conferences (Materials Research Society, and American Institute of Chemical Engineers).



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### **Professor Pannipitiye Gamathi Ralalage Dharmaratne**

Professor Dharmaratne is currently Professor at the Department of Earth Resources at the University of Moratuwa in Sri Lanka. He holds a BSc in Mining and Minerals Processing, MSc and PhD in Rock Mechanics and Excavation Engineering. He is a Member of the Institute of Engineers and Mining and Metallurgy, Sri Lanka and fellow of the German and Great Britain Gemmological Associations. Professor Dharmaratne's has a rich publication an extensive involvement in minerals and mining processing.

### **Dr Bor Jang**

Dr. Bor Jang received his MS and PhD degrees in Materials Science from MIT. Dr. Jang is a former Dean of the College of Engineering at Wright State University and a former Fulbright Scholar and Visiting Professor with the University of Cambridge.

Dr. Jang is a pioneer in the field of graphene technology, including graphene for battery and supercapacitor applications. Dr. Jang successfully produced isolated single-layer and multi-layer pristine graphene sheets as early as 2002, as evidenced by a patent application submitted in October 2002 and issued in 2006 (US Patent Appl. No. 10/274,473 (10/21/2002)). Dr. Jang and his business partner, Dr. Aruna Zhamu, are recognized by Cambridge IP ("Patenting Flatland: Graphene," April 2012) as the world's No. 1 and No. 3 graphene inventor, respectively.

Dr. Jang is world's first scientist to study the application of graphene materials in energy storage and conversion (e.g. supercapacitors, batteries, and fuel cells). Dr. Jang's technical team has the world's first patents on graphene applications in hydrogen storage (2004), fuel cells (2005), supercapacitors (2006), thermal management (2007), and batteries (2007). Of the 300 patents owned by Dr. Jang, 180 are related to graphene, supercapacitors and batteries. According to Cambridge IP report, Dr. Jang's three patents are among the top 10 most cited US patents related to graphene.

In 2007, Dr. Jang co-founded Angstrom Materials, Inc., which has the world's first industry-scale single-layer graphene oxide (GO) production facility with a capacity of 100 tons/year of GO. Angstrom is currently constructing its new facility with a capacity of 500 tons/year.

"We are delighted to have attracted a high calibre team of global expertise for the graphite and graphene industry", said Managing Director Emily Lee. The team will be ably led by Dr. Stanley Chang who brings in cross border investment and commercialisation expertise to the group.