

**Captured from [www.iesiusa.com](http://www.iesiusa.com) on 24 Oct., 2005**

The intellectual capital within iESi consists of expert industry leaders in engineering, finance and marketing.

### **Patrick Cochrane – President & CEO**

Patrick Cochrane has over 25 years of experience working in the Petro-chemical, Pulp & Paper and the energy technology industry. Prior to co-founding iESi, he founded and served as the chief operating officer of the engineering company Canadian Environmental Equipment & Engineering Technologies Ltd/Genoil Inc. in Edmonton, Alberta. In his career, Cochrane also held senior-level positions overseeing large industrial complexes & projects with water, petrochemical, oil and gas at Husky Oil, Daishowa Canada Co., Zeotec Ltd. and Fidinam Canada Ltd. Cochrane spent four years in the Canadian Armed Forces and attended Fairview College and the Northern Alberta Institute of Technology for formal training in industrial electrical technology and Power Engineering. He has authored numerous patents in the heavy oil industry, environmental and energy technologies. Cochrane was awarded a prestigious award from Cetac - West and nominated for the AsTech awards (Alberta Science and Technology Awards) in 1999 in Calgary Alberta Canada, recognizing his achievements in these areas.

### **Ronald Foster –Vice President of Business Development**

Ronald Foster is a co-founder of iESi and currently serves as the company's chairman of the board of directors. His primary responsibilities include finance, compliance and business development. In his career, Foster has held a number of senior-level executive positions with several publicly traded companies, including ValCom Inc., SBI Communications, Inc., EL-Phills Inc., Golden American Network and ROPA Communications Inc. He created and produced "Stock Outlook 87, 88, 89", a video presentation of public companies through Financial News Network (FNN), a national cable network. Foster has a tremendous amount of experience with mergers & acquisitions and the operations of publicly traded companies. He founded and served as president of a publicly traded marketing company that had annual revenues of \$60 million.

iESi's Scientific Advisory Board consists of world-class physicists and scientists in the area of quantum physics.

### **Hyunik Yang, Ph.D.**

Much of iESi's proprietary intellectual property is based on the numerous patents in the field of quantum and hydrogen energy generation authored by Hyunik Yang, Ph.D. Dr. Yang co-founded iESi and serves as the company's chief scientific officer. In his career, Dr. Yang also held positions as professor at Hanyang University and as senior research engineer at Hyundai Electronics. He

has published dozens of international research papers on revolutionary quantum energy generation and anomaly effects of science. Dr. Yang has designed several new inventions in the field of quantum energy and cold fusion. Dr. Yang received his Engineering B.S. from Hanyang University in South Korea, and completed his Engineering M.S., Ph.D. and post-doctoral work at Columbia University in New York. He is a member of the American Society of Mechanical Engineers, Society of Automobile Engineers, Korean Society of Mechanical Engineers, Russian Academy of Natural Science, Korean CAD/CAM Society and the Korean Society of Machine Tool Engineers. Since 1987, Dr. Yang has been listed in the Who's Who in the World, and in the Who's Who in Science and Engineering since 1998.

### **Norm Arrison, Ph.D., P.Eng.**

Dr. Arrison is a senior scientist who worked for Atomic Energy of Canada Ltd. (AECL) at the Whiteshell Nuclear Research Establishment as a Research Officer and at Sheridan Park as a Design Engineer and rose to the position of being in charge of all safety systems for all CANDU Nuclear Reactors for AECL. He was first appointed to the Science Council of Canada by Prime Minister Trudeau and served from 1983-1986 at which time he was next appointed by Prime Minister Mulroney and served from 1986-1989. Dr. Arrison has authored several patents and been involved in numerous inventions, most of which have been related to the solving of environmental problems that make life better for people all around the globe. In his career, Dr. Arrison served as the director of research for Global Thermoelectric Power Systems, Ltd. and worked as an international consultant in the development of patented energy conversion processes that are utilized in Europe, Asia and Australia. He has consulted and helped develop specialized coatings products for specific industrial applications that are utilized extensively in North America and are gaining acceptance around the world. Dr. Arrison received his Ph.D. in Chemical Engineering from the University of Calgary. He is a member of the Association of Professional Engineers of the Province of Ontario and The Association of Professional Engineers Geologists and Geophysicists of Alberta.

### **Dumitru D. Fetcu, Ph.D.**

Much of iESi's proprietary intellectual property is based on the 11 patents in the field of energy conservation, heat transfer and waste heat recovery authored by Dumitru Fetcu, Ph.D. In his career, Dr. Fetcu has held positions as professor at the University Transilvania of Brasov in Romania and holds the chair of thermodynamics and fluid mechanics at that university's Department of Mechanical Engineering. Leveraging the new legislation that took place in Romania during the late 1980s, Dr. Fetcu founded the company Transterm. He is the author of two books and more than 60 publications in the field of heat exchange and heat recovery and has conducted over 45 scientific research

contracts. Dr. Fetcu received his Ph.D. in thermodynamics from the University Transilvania of Brasov in Romania.

## **Board of Directors**

**Patrick Cochrane –President & CEO**

**Ronald Foster –Vice President of Business Development, Director, Board Chairman**

**Frederick S. Dornan –Director**

**Thomas Bugg –Director**

**Dr. Hyunik Yang –Director**

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**iESi Ltd. - United Kingdom**

**Mark Boocock – Managing Director**

Mr. Boocock has over 22 years experience delivering critical business systems and technical consultancy to blue chip clients across a range of sectors in the UK. After graduating in Computer Sciencess from the University of Glamorgan Mark commenced his career with BT. Here he developed a range of customer service and accounting systems used to run BT's then £20Billion a year business. In 1990 Mark joined Syntegra where he became involved in the development of Import Export systems for the British government. Prior to establishing iESi (UK) Mark held senior client & programme management positions with a global business service and consultancy provider. Clients have included major UK energy providers where Mark was closely involved with the de-regulation of the UK electricity market. Mark also co-founded a Facilities Management Company set up to deliver environmentally friendly cleaning and maintenance services to the UK commercial property sector and has interests in a recently established IT outsourcing business.

**David Muxworthy – Marketing Director**

After graduating from University in Bristol with a BA (Hons) Accountancy and Finance, Muxworthy a qualified Chartered Accountant started with Price Waterhouse with responsibility for the provision of audits to water companies; major banks and subsidiaries of major multinational groups such as Courtaulds, as well as many smaller and medium sized companies. David moved to the Welsh Development Agency in 1992 starting in Corporate Audit, undertaking independent reviews and appraisals on the operation and effectiveness of any

aspects of policies, programs and procedures over the entire spectrum of the Agencies activities. In 1995 David became the agencies International Project Manager, Far East, with responsibility for attracting inward investment from the Far East (Hong Kong, Singapore and Malaysia primarily) to Wales. In 1998 David was promoted to Vice President, Business Development – Asia Pacific responsible for the smooth operation of the ASEAN office, based in Singapore, attracting inward investment from ASEAN and India, previously Hong Kong, China and Australia and growing indigenous Welsh business through joint ventures with ASEAN partners. David returned to Head Office in January 2003 to establish a division within the WDA responsible for attracting companies with converging technologies. This work took him into the Energy and ICT/Healthcare space and specifically the use of innovative technologies and services in delivering solutions for the energy and automotive industry. David is responsible for attracting a number of alternative energy companies to invest in Wales. More recently David has left the WDA to focus more closely on ICT/Healthcare and clean energy through his involvement with IESi (UK) Ltd.

### **Andrew Williams – Client Services Director**

Mr. Williams is an experienced Chartered Engineer & Nuclear Engineering specialist, with a wide ranging but deliberate civilian & military career progression, built upon a strong foundation of engineering design & subsequently developed across a full spectrum of operational nuclear engineering & associated disciplines. His early experience as a Design Engineer with the United Kingdom Atomic Energy Authority, provided a springboard for his subsequent operational military career within the UK Royal Navy's (RN) nuclear submarine programme. His engineering credentials are also complimented by extensive Oceanography and Training Management skills developed during his naval career. He has operational, engineering and safety management expertise in nuclear power electricity generation and marine propulsion technologies, coupled with an understanding of the impact of such technologies on the physical and in particular marine environment. Since leaving the forces in 2001 Andy has continued to develop his nuclear and maritime expertise, working in the nuclear safety, security, decommissioning and environmental management fields, again reflecting his interest in the sensible management of the Physical and in particular Marine Resource.

### **Hywel Rees – Sales & Partnerships Director**

Mr. Hywel has over 25 years experience of servicing the needs of UK business and domestic consumers alike. After an early career in property sales and consultancy in and around South Wales, Hywel joined London based Merrill Lynch. At Merrill Lynch Hywel was responsible for looking after the relocation and housing needs of blue chip company directors throughout the United Kingdom. An opportunity arose back in Wales and over the next 10 years Hywel was able to grow his own corporate relocation company, SRMS Relocation. SRMS

Relocation now provides services to blue chip companies and their staff throughout Wales and parts of England. Recently SRMS has taken over some of the provision of relocation work for the regional economic development authority whilst at the same time acquiring the largest competitor within Wales.