

## DAVID LLOYD SYMPOSIUM

The Tenth International Conference on Aluminum Alloys (ICAA-10) is extremely pleased to host a special technical session in recognition of Dr. David Lloyd. This symposium will honour the long-term contributions made by Dr. David Lloyd to the study of the physical and mechanical metallurgy of aluminum alloys, as well as his contributions to research in Canada and abroad. David has dedicated his career to understanding the physical metallurgy of aluminum alloys and promoting the transfer of that fundamental understanding to industrial practice. He has provided an excellent example of how one can couple basic science and engineering in an industrial setting. In doing so, he has become one of the leaders of aluminum metallurgy worldwide, and is highly regarded in both the academic and industrial communities. His knowledge of aluminum alloys, their processing and their properties is truly encyclopedic, and his dedication to the field is without parallel.

This symposium consists of invited papers that emphasize the range of activities David has been involved in throughout his career. It includes contributions from industry, as well as academia, and is a testament to the number of people in aluminum research and technology with whom David has collaborated, and whom he continues to influence.

David Lloyd was educated at the University of Wales and graduated with his PhD in 1968. After completing his PhD, he immigrated to Canada and did postdoctoral research with Prof. J.D. Embury at McMaster University in Hamilton, Ontario. This collaboration proved opportune, as David Lloyd and David Embury have continued to work together throughout both of their careers to this day.

After a brief period of time as an Assistant Professor at the University of Manitoba, David joined Alcan and spent the next 30 years working in the Research and Development Centre at the company's Kingston, Ontario Laboratories.

In January 2005, Alcan created a spin-off company for most of its rolled products activities. This new company, Novelis Inc., is the one from which David Lloyd retired in April 2005.

As a Research and Principal Scientist at Alcan, David worked in a number of different areas. When he first joined Alcan, he investigated the formability of a range of ultrafine grained alloys. These alloys were commercialised in early 1976 and are now commonly used worldwide. Later on, David investigated metastable alloys produced by rapid solidification and made seminal contributions to the field of metal matrix composite materials. This work led to new alloys, new methods of casting and radically different materials for Alcan. In the 1980's, David pioneered and led much of Alcan's work on Al-Li alloys. Subsequently, Alcan merged with British Aluminium, a company that was very active in Al-Li alloys, and the merger became the dominant supplier of these alloys in Europe.

More recently, David led Alcan's automotive alloys research and development in North America. This work led to Alcan having the predominant aluminum automotive skin alloy on the continent, and David provided technical support to the major fabrication facilities for automotive alloys in plants in Canada and the US.

In addition to his industrial work at Alcan, David has always had strong ties to universities, and he has made a significant mark on the development of strong industry/university interactions in Canada, especially at Queen's University, McMaster University, the University of Waterloo and The University of British Columbia. He has also played an important role in

mentoring young faculty and students throughout his career. He has always been generous with his time, interacting extensively with undergraduate and graduate students as well as post-doctoral fellows. This support has helped to lay the foundation of a very strong research effort on aluminum alloys in Canada and its impact spreads well beyond the commercial interests of Alcan and Novelis.

David Lloyd has made numerous contributions to the understanding of aluminum metallurgy over his career, and in doing so has truly made a lasting impact on the aluminum research community both in Canada and internationally. David's extremely broad knowledge of the field has enabled him to develop unique insights and perspectives that have been invaluable in guiding the work of colleagues both within Alcan and in the community as a whole. We look forward to what should be a very stimulating and enjoyable symposium.

Warren J. Poole

Mary A. Wells