



ADVISORY SERVICES

The Materials Information Service (MIS) helps companies select materials and processes for more profitable and competitive products.

The MIS:

- provides advice on applications and processing methods
- offers information on construction materials

Companies can enjoy the benefits of MIS and other Institute services at discounted rates by becoming a corporate member of the Institute through its Industry Affiliate Scheme (IAS).

HOW DO I JOIN?

Individual membership of the Light Metals Division is effected by joining the Institute of Materials, Minerals and Mining. You can join IOM3 online at www.iom3.org/join to get immediate access to member benefits, or you can complete our printed membership application form.

For details of membership grades and professional qualifications visit www.iom3.org/membership

Company membership: More information about Industry Affiliate membership and an application form are available at www.iom3.org/ias

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The Institute of Materials, Minerals and Mining (IOM3) is a body incorporated by Royal Charter, Registered charity number 269275.

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LIGHT METALS

VIBRANT AND INNOVATIVE
TECHNOLOGIES FOR
A LIGHTER WORLD



The Light Metals Division
of the Institute of Materials, Minerals and Mining

THE LIGHT METALS DIVISION IS A SPECIALIST COMMUNITY WITHIN THE INSTITUTE OF MATERIALS, MINERALS AND MINING (IOM3), A MAJOR INTERNATIONAL ENGINEERING INSTITUTION THAT ENCOMPASSES THE COMPLETE MATERIALS LIFECYCLE, INCLUDING EXPLORATION, MINING AND EXTRACTION, MATERIALS CHARACTERISATION, PROCESSING, FORMING, FINISHING THROUGH TO PRODUCT APPLICATIONS, RECYCLING, REMANUFACTURE AND RE-USE.

FOR MORE INFORMATION ABOUT THE INSTITUTE AND ITS ACTIVITIES, VISIT WWW.IOM3.ORG

THE LIGHT METALS DIVISION

The Light Metals Division (LMD) was created in 2000 as one of the IOM3 Technical Communities and is one of seven Materials Divisions. The LMD is evolving, in response to the changing shape of the UK light metals industry, away from primary production towards a more application and user-based community. Our mission is: *to provide a unique UK forum that ensures a vibrant and innovative light metals technology sector by bringing together specialists from academia, industry, the Ministry of Defence (MOD) and government. The forum will share knowledge and support education in light metals with a view to maximising their sustainability, application opportunities and use in manufacturing.*

There have been major changes in the UK industrial landscape since the LMD was formed, with primary metal and alloy production and downstream processing activities declining significantly, particularly for aluminium. Today, the remaining light metal producers and processors tend to be multinational conglomerates, as are most of the major users. Conversely, over the same period, the demand for light metals has increased, particularly from the automotive and aerospace sectors, with local sourcing and a short supply chain becoming a major strategic requirement. To support these aims, the LMD has developed a framework for a strong UK-based network to help shape light metals research in the UK.



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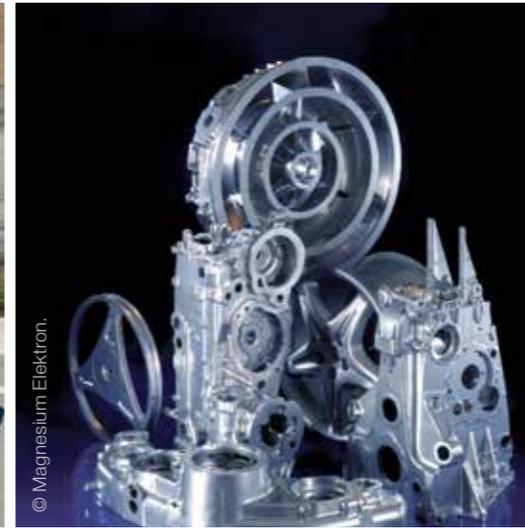
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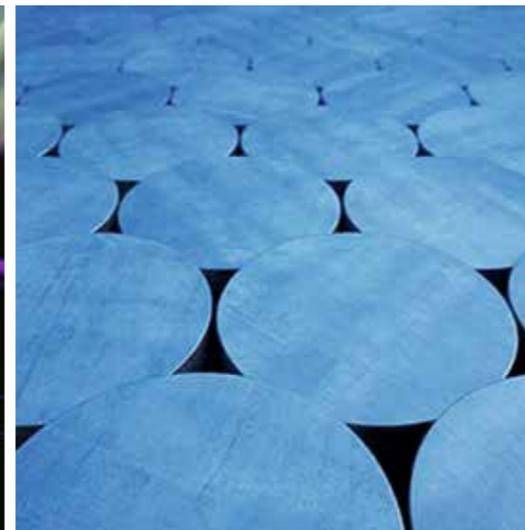
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The LMD's scope is as follows:

- Develop and maintain a strong UK-based network to help shape light metals research in the UK linked with current and perceived future industry needs.
- Provide a forum to bring industrial and academic stakeholders together to ensure that advances in light metals research and development are aligned with manufacturing challenges, particularly from the transport sector.
- Facilitate greater collaboration between universities and industry to assist the development of enabling technologies to open up new applications for light metals, and also to ensure that the challenges of major industrial users are addressed.
- Work closely with other IOM3 groups, such as the Automotive Division and the Casting and Solidification Society, and with Catapult, EPSRC and Innovate UK research hubs.
- Promote and develop metallurgical education in the UK particularly for the light metals community and establish stronger links with similar light metal interest groups worldwide.

MEMBER BENEFITS

PUBLICATIONS

Members of the LMD (via their membership of IOM3) receive *Materials World*, a monthly magazine specifically devoted to the engineering materials cycle, from mining and extraction, through processing and application, to recycling and recovery. IOM3 members also have free online access to relevant journals, produced by Maney Publishing which cover a wide range of materials science and engineering related topics.

THE LIGHT METALS DIVISION

KNOWLEDGE EXCHANGE

The LMD works closely with other IOM3 groups and maintains a strategic plan for light metals R&D linked with current and perceived future industry needs. This strategic plan is continuously developed with regular input from both EPSRC and Innovate UK and other key academic and industrial groups. Over the past few years, the UK government has supported a series of R&D activities in light metals through the EPSRC, Innovate UK and HEFCE. The LMD works closely with the EPSRC Centre for Innovative Manufacturing in Liquid Metal Engineering (LiME) and the EPSRC Programme, Light Alloys Towards Environmentally Sustainable Transport: 2nd Generation (LATEST2).

WEBSITE

The LMD website provides a knowledge resource on light metals-related activities, in both industry and academia, for IOM3 members and for anyone with a specific interest in the area.

PROFESSIONAL DEVELOPMENT

The Institute of Materials, Minerals and Mining, offers a range of nationally recognised professional qualifications demonstrating a member's competence. These are available to members working at all levels. Suitably qualified members are encouraged to register as appropriate as Chartered Engineer (CEng), Incorporated Engineer (IEng), Engineering Technician (Eng Tech), Chartered Scientist (CSci) and Chartered Environmentalist (CEnv).

www.iom3.org/light-metals-division