TMS2016
145th Annual Meeting & Exhibition

FEBRUARY 14-18 DOWNTOWN NASHVILLE, TENNESSEE MUSIC CITY CENTER

Connecting the Global Minerals, Metals, and Materials Community.

Magnesium-based Biodegradable Implants

One of the trends in biomedical implants is toward the use of degradable materials, challenging the paradigm that such devices should essentially remain neutral in the body. Magnesium is especially promising in this respect due to its biochemical as well as to its mechanical attributes. Hence the research and development of magnesium-based biodegradable implants has seen a strongly growing interest over recent years from the scientific and industrial communities. The symposium addresses this emerging multi-disciplinary field as a joint effort of the Biomaterials and Magnesium Committees. Following its initial edition in 2013, the symposium aims to give a topical update on the state of affairs. Papers will be presented on all aspects relating to magnesium-based implants including (cardio)-vascular, orthopedic and other applications. This covers alloy selection/development and processing (including associated coating and surface modification), in-vitro/in-vivo performance assessment and evaluation, as well as product design and certification.

Organizers include:
Martyn Alderman, Magnesium Elektron (Great Britain)
Patrick Bowen, Michigan Technological University (USA)
Jaroslaw Drelich, Michigan Technological University (USA)
Petra Maier, University of Applied Sciences Stralsund (Germany)
Wim Sillekens, European Space Agency (Netherlands)

Learn More at www.tms.org/TMS2016

Join us at TMS2016 in Downtown Nashville, Tennessee, February 14-18!