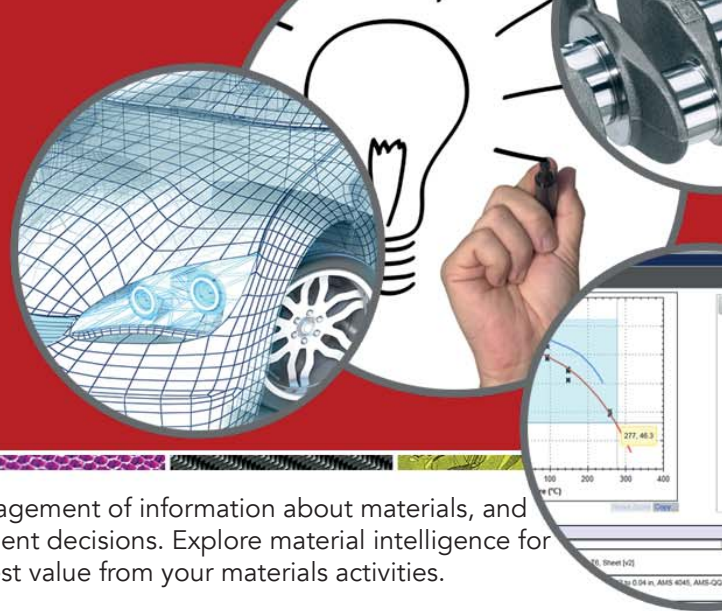


agenda

THE 2018 MATERIAL INTELLIGENCE SEMINAR

Location: **Tokyo, Japan**

Date: **April 25**



Raise your organization's materials IQ through best practice management of information about materials, and by applying the resulting intelligence in smart product development decisions. Explore material intelligence for engineering enterprises, and ensure you know how to get the best value from your materials activities.

12:30 Registration

13:00 Welcome and seminar introduction (*Richard Painter, Granta Design*)

13:15 Developing your organisation's 'materials IQ': Could your organization be more effective in how it captures, manages, and applies materials knowledge? We'll introduce five factors to think about as you improve your company's material intelligence. We'll dig into these issues more throughout the day. (*Richard Painter, Granta Design*)

Building up your organization's material intelligence

13:40 GRANTA MI—an enterprise materials information management system: Introducing the leading system for enterprise materials information management and demonstration of key tools for data import, sharing, and workflows. Examples of the use of GRANTA MI in industry. Including work at Rolls Royce (aero engines), Sulzer Pumps (industrial machinery), and NASA (aerospace). (*Andrea Berto, Granta Design*)

14:10 Additive Manufacturing: Demonstration of the GRANTA MI:Additive Manufacturing Package for managing AM project data and understanding critical property/process relationships. (*Richard Painter, Granta Design*)

14:30 COFFEE

Applying materials information in simulation, CAD, and PLM

15:00 Mazda Motor Corporation Case Study (*Mr Katsuya Kawaguchi, Mazda Motor Corporation*)

15:10 Delivering the right data for simulation and design: Demonstration of the MI:Materials Gateway technology, providing accurate materials data within CAD, CAE, and PLM. (*Yuan Ren, Granta Design*)

15:30 Design and simulation case studies: Examples of the integration of materials information technology with engineering software in industry. Including General Motors (automotive), Molex (electrical connectors), and Jaguar Land Rover (automotive). (*Richard Painter, Granta Design*)

15:45 Questions and discussion

Informing materials selection & conceptual design

16:10 CES Selector—the latest materials selection tools. Demonstration of the industry standard software for materials selection and graphical analysis of materials properties. (*Yuan Ren, Granta Design*)

16:25 Materials selection case studies: Examples of the use of materials selection software in industry. Including Tecumseh (refrigeration units), Honeywell Aerospace (aerospace parts), Continuum Blue (chemicals industry example). (*Yuan Ren, Granta Design*)

16:45 Questions and discussion

Wrap up

16:55 Wrap-up and closing discussion

17:00 Session closes