

Steel research: A global journey

Webinar series to mark the retirement of Sir Harry Bhadeshia, Emeritus Tata Steel Professor of Metallurgy, at the University of Cambridge.

Date	Time (GMT)	Chairperson	Speaker	Affiliation	Presentation title
Tuesday, 9/11/2021	2:00 - 2:45 PM	Wilberth Solano	Tarasankar DebRoy	The Pennsylvania State University, USA	Virtual Metallurgy
	2:45 - 3:30 PM		Sudarsanam Suresh Babu	University of Tennessee, Knoxville, USA	Mystery behind MUCG46 - Manipulating Carbon Activity in Steels

Thursday, 11/11/2021	2:00 - 2:45 PM	Yan Pei	Francisca G. Caballero	Spanish National Centre for Metals Research, Spain	Bainite Reaction: A Metallurgist's Journey into the World of Atoms
	2:45 - 3:30 PM		Gregory B. Olson	Massachusetts Institute of Technology, USA	Designing Materials Design

Tuesday, 16/11/2021	2:00 - 2:45 PM	Joachim Dias	Ed Pickering	University of Manchester, UK	Adventures in Steel: Across the Length Scales
	2:45 - 3:30 PM		Christopher Hulme-Smith	KTH Royal Institute of Technology, Sweden	From behind enemy lines

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Thursday, 18/11/2021	10:00 - 10:45 AM	Neelabhro Bhattacharya	Shaumik Lenka	University of Sheffield/ Caterpillar, UK	Precision Microscopy
	10:45 - 11:30 AM		Steve Ooi	Ovako Steel, UK/Sweden	Designing steel to resist hydrogen embrittlement
	11:30 - 12:15PM		Martin Rawson	Rolls Royce, UK	Development of High Strength Steels for Gas Turbine Applications

Tuesday, 23/11/2021	2:00 - 2:45 PM	Jee-Hyun Kang	Colin Humphreys	Queen Mary University of London, UK	Stronger than steel? Can the semi-metal graphene fulfil its early promise and change the world?
	2:45 - 3:30 PM		Amir Shirzadi	The Open University, UK	Steel and Aluminium Join Forces to Battle Covid-19 Pandemic
	3:30 - 4:15PM		John Speer	Colorado School of Mines, USA	Tempering of martensite

Thursday, 25/11/2021	10:00 - 10:45 AM	Arunim Ray	Shiv Brat Singh	Indian Institute of Technology Kharagpur, India	Phase transformations in high strength steels
	10:45 - 11:30 AM		Apparao Chintha	Tata Steel, India	Role of hot deformation on spheroidization of pearlite steel

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Thursday, 2/12/2021	10:00 - 10:45 AM	David Bombač	Saurabh Kundu	Tata Steel, India	Impact of various stresses in steel industry
	10:45 - 11:30 AM		Sourav Das	Indian Institute of Technology Roorkee, India	Ultra high strength continuously cooled bainitic steel: From concept to application
Tuesday, 7/12/2021	2:00 - 2:45 PM	Shoichi Nambu	Jer-Ren Yang	National Taiwan University, Taiwan	Overview of the striking features of microstructures in steels
	2:45 - 3:30 PM		Ashwin Pandit	Tata Steel, India	Galvanising of high strength steels: New Perspectives
	3:30 - 4:15 PM		Wu Kai Ming	Wuhan University of Science and Technology, China	The magnetic-field-induced fantastic phenomenon of the phase transformation in steels
Thursday, 9/12/2021	10:00 - 10:45 AM	Dominik Dzedzic	Dong-Woo Suh	Pohang University of Science and Technology, South Korea	Chemical heterogeneity based microstructure control for enhanced properties in advanced high strength steels
	10:45 - 11:30 AM		Kazutoshi Ichikawa	Tohoku University, Japan	Welding Science with Harry
	11:30 - 12:15PM		Hongliang Yi	Northeastern University and Easyforming Materials Technology Co., Ltd, China	Al-Si coated press-hardening steels with improved bendability

Date	Time (GMT)	Chairperson	Speaker	Affiliation	Presentation title
Tuesday, 14/12/2021	2:00 - 2:45PM	Adriel Wong	Thomas Sourmail	Ascometal, France	'Bainite, phase transformations and beyond : challenges remaining in the steel industry
	2:45 - 3:30 PM		Roger Reed	University of Oxford, UK	Characterisation and Modelling of Combined Oxidation/Carburisation of Fe9Cr1Mo Steel for Nuclear Applications
	3:30 - 4:15 PM		Harry Bhadeshia	University of Cambridge, UK	TBC