

## 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.*

<b>Date</b>	<b>Time (GMT)</b>	<b>Speaker</b>	<b>Affiliation</b>	<b>Presentation title</b>
Tuesday, 9/11/2021	2:00 - 2:45 PM	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	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	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

Thursday, 18/11/2021	10:00 - 10:45 AM	Shaumik Lenka	University of Sheffield/ Caterpillar, UK	TBC
	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	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	TBC
	3:30 - 4:15PM	John Speer	Colorado School of Mines, USA	TBC

Thursday, 25/11/2021	10:00 - 10:45 AM	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	TBC

Thursday, 2/12/2021	10:00 - 10:45 AM	Saurabh Kundu	Tata Steel, India	TBC
	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	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	TBC

Thursday, 9/12/2021	10:00 - 10:45 AM	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	TBC

Tuesday, 14/12/2021	2:00 - 2:45PM	Thomas Sourmail	Ascometal, France	TBC
	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