

## Seminar on “A History of Metal Fatigue and the Development of an Understanding of What it is and Why it still Causes Problems”

On 29 March 2018, a seminar on “A History of Metal Fatigue and the Development of an Understanding of What it is and Why it still Causes Problems” was successfully held by Prof. Roderick A Smith. Prof. Smith is currently a Research Professor of Railway Engineering in the Department Mechanical Engineering at Imperial College London and Chairman of the Future Rail Research Centre. He is author of more than 350 publications on fatigue of metal and latterly on many aspects of railway engineering. In the seminar, the issue of metal fatigue has been discussed. The metal fatigue is still a major problem and failures occurs not only in railways, the parent of the problem, but in a wide range of industries, both in high-tech low volume products and it low volumn, low-tech products. The seminar concluded with a discussion on why this should be and would emphasize the empirical nature of our design rules and the frequent lack of definition of actual service stress conditions.



**Figure Seminar by Prof. Roderick A Smith**