

Department of Mechanical and Mechatronics Engineering

Case Studies of Mechanical and Material Failures

Mr. Claude Lelièvre

Materials Engineer

Transportation Safety Board of Canada

The Transportation Safety Board (TSB) of Canada is an independent agency created to advance transportation safety through the investigation of occurrences in the marine, pipeline, rail and air modes of transportation. The TSB mandate is to advance transportation safety by: conducting independent investigations, including public inquiries when necessary, into selected transportation occurrences in order to make findings as to their causes and contributing factors; identifying safety deficiencies, as evidenced by transportation occurrences; making recommendations designed to eliminate or reduce any such safety deficiencies; and, reporting publicly on our investigations and on the findings in relation thereto.

Mr. Claude Lelievre has been a Materials engineering specialist at the TSB since 2009, and prior to that he worked for the Canadian Armed Forces as a Materials engineer specializing in failure analysis.

Mr. Lelievre will be presenting a number of case studies of mechanical and materials system and component failures. These investigations continue to enhance our understanding of engineering and design and underscore its importance in safeguarding human life, the welfare of society and the environment.



**WATERLOO
CASES IN DESIGN
ENGINEERING**

Tuesday, June 10th
3:30pm to 5:00pm
CPH 3679