

Jean-Baptiste Leblond studied at Ecole Normale Supérieure de Paris and Université Pierre et Marie Curie, and got his PhD from the latter institution. He was a Maître de Conférences at Ecole Polytechnique and is now a “Professeur de Classe Exceptionnelle” at Sorbonne Université, Faculté des Sciences et Ingénierie (formerly Université Pierre et Marie Curie), and a member of the French Academy of Sciences. He has been a Junior, then a Senior member of the Institut Universitaire de France for 15 years. He is also a Scientific Advisor with ESI-Group (Engineering Systems International), the company which develops the SYSTUS and SYSWELD finite element programmes.

His research interests include phase transformations in steels and transformation plasticity, numerical simulations of welding and other thermomechanical processes, problems of diffusion/reaction in solids with applications to internal oxidation, 2D and 3D mechanics of brittle fracture with special emphasis on crack paths, the “local approach” to ductile fracture, and numerical methods in solid mechanics.

He has published about 130 papers in international scientific journals and received 5 scientific prizes.