Koji YAMAMOTO is the Senior Vice President of Japan Organization for Metals and Energy Security (JOGMEC) in charge of Technologies of Energy Business Unit. He received a Ph.D degree at Tohoku University in 2004 with studies on reservoir geomechanics and numerical modelling. He has worked in a consulting firm and current Governmental organization. He was involved in many R&D projects and studies for problems happening in petroleum field developments. The middle east is one of his core interest areas. In the early 21st century, he was involved in the policy making and technical solutions of CCS along with energy system evaluations. Recently he has been extending his work to the development of low carbon fuel projects including blue hydrogen and ammonia and managing teams working on several bi-lateral or multi-lateral international cooperation projects. He also teaches technical topics in Kyoto and Kyushu Universities.