The 49èmes Journées des Actinides (JdA-2019) is part of a long series of annual conferences covering fundamental and applied aspects related to the physics and chemistry of the 5f elements, their alloys and compounds. It brings together experts and young researchers from different relevant fields, emphasizing exchanges and discussions on the current issues in actinide science. JdA-2019 encourages open discussion on different topics, in a mixture of oral presentations and poster sessions. It encompasses, but is not strongly correlated electron behavior, surface science, etc. Experts, scientists, students and young researchers from Academia and Industry all around Europe and other continents are invited and expected to attend JdA 2019 and discuss the state-of-the-art of the neutron science and instrumentation.