The objective of this tutorial is to provide a working knowledge of axiomatic design (AD), a powerful design tool that can foster creativity and innovations. Suh’s AD is a scientific design method, developed at MIT in the 1970s. It shows how creativity can be directed most effectively in the design process. The AD process guides formulation of functional requirements from customer and stakeholder needs. AD can avoid bias, identify the best solutions, and protect intellectual property by coming up with multiple solutions. Suh’s design axioms are, one, to maintain the independence of the functional elements, and, two, to minimize the information content, i.e., to maximize the probability of success. These axioms can be used to select the best design options and to allocate resources for best effect early in the design process. AD also records how design decisions are made. AD can be used to guide and evaluate design review meetings. With AD, when changes are introduced during the design process, the impact on time is minimized and unintended consequences are avoided. AD relies on parallel, rule-based decomposition hierarchies from abstract to specific in functional, physical and process domains. This is followed by physical integration into a complete design. Attendees can have design problems in mind. There may be opportunities to develop them during the tutorial.