Course material from MIT

MIT OpenCourseWare (OCW) is a web-based publication of virtually all MIT course content. OCW is open and available to the world and is a permanent MIT activity. Here you can find audio and video courses, lectures, exercises and solutions. The link is http://ocw.mit.edu

The Mineral, Metals and Materials Society (TMS)

Headquartered in the United States but international in both its membership and activities, The Minerals, Metals & Materials Society (TMS) is a rare professional organization that encompasses the entire range of materials and engineering, from minerals processing and primary metals production to basic research and the advanced applications of materials. he Minerals, Metals & Materials Society (TMS) is a member-driven professional society consisting largely of scientists and engineers working in industry, academia and government, as well as students studying in the materials field. Included among its nearly 10,000 professional and student members are metallurgical and materials engineers, scientists, researchers, educators, and administrators from more than 70 countries on six continents. The link is http://www.tms.org

Materials information from the American Society of Metals (ASM)

ASM International serves materials professionals, nontechnical personnel, and managers

worldwide by providing high-quality materials information, education and training, networking opportunities, and professional development resources in cost-effective and user-friendly formats. The link is http://www.asminternational.org

On-line calculations (MAP-on-Line) at the University of Cambridge

On this site, you can make predictions for the mechanical properties of a variety of alloys, by entering their composition and heat-treatment details. This includes online calculations of yield strength for ferritic and austenitic steels, nickel base superalloys, weld metal, etc. Other properties include creep strength, ultimate tensile strength, elongation, toughness. MAP-on-Line has been developed by the research team of Prof. Harry Bhadeshia at the University of Cambridge. The link is http://www-map-online.msm.cam.ac.uk/