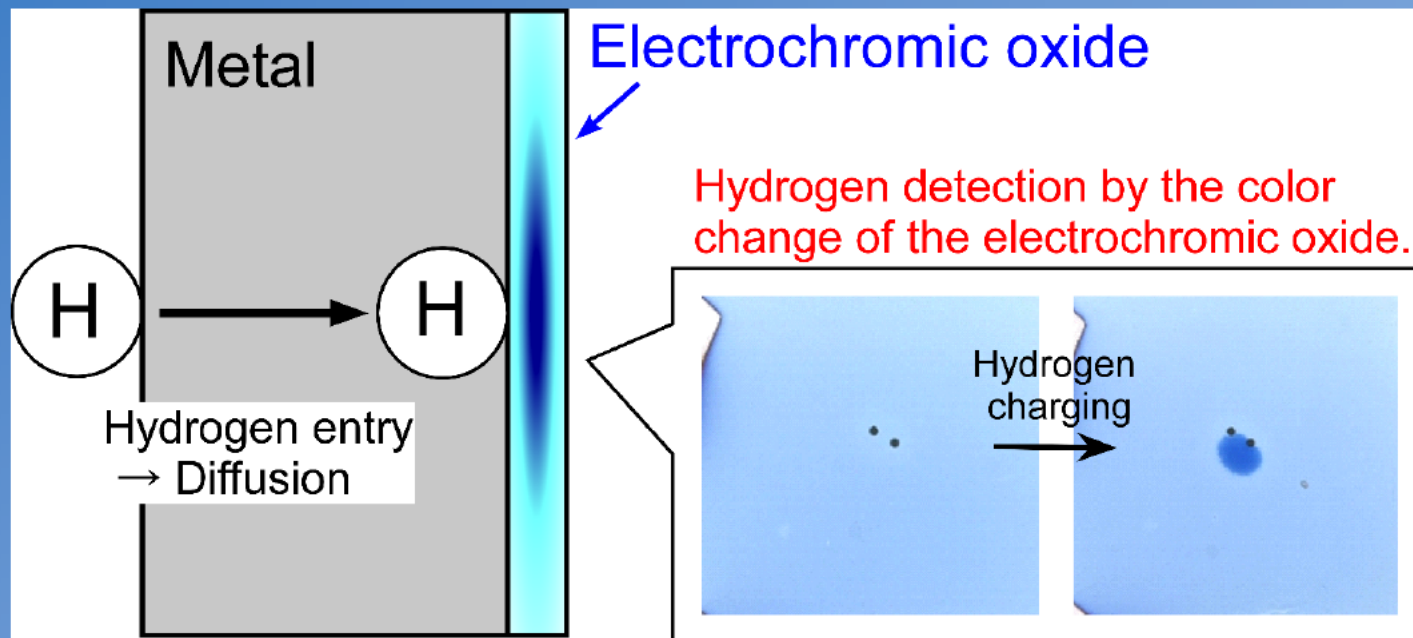


Hydrogen sensor for prevention of hydrogen embrittlement using electrochromic oxides

Hydrogen embrittlement is a serious problem for high strength steels. In order to prevent hydrogen embrittlement, a real-time observation method for obtaining the distribution of hydrogen absorbed at the steel surface is needed. In this course, we will try measuring the distribution of hydrogen absorbed into the steel using electrochromic oxide thin films.



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Place: Department of Materials Science

Number of Students: Max 3 persons

Period: 27 September – 29 September (3 days intensive course)