

Industry and Synchrotron Radiation - Prospects using ANKA, H.O.MOSER, Forschungszentrum Karlsruhe - The use of synchrotron radiation for industrial purposes is growing. Main fields include micro systems technology with the LIGA process as one of the important topics, and analysis. Novel concepts are worked out to facilitate the access of industry to the synchrotron radiation sources and to improve the acceptance of synchrotron radiation based methods and processes. We discuss the situation with reference mainly to the LIGA process that was first developed at Forschungszentrum Karlsruhe and is being pursued at many synchrotron radiation laboratories world-wide by now, but not ignoring the analytical use of synchrotron radiation. The future industrial applicability of synchrotron radiation is addressed using the recently funded project of the synchrotron radiation source ANKA at Forschungszentrum Karlsruhe as an example. The impact of the growing demand on the design of synchrotron radiation sources and their use within non-accelerator laboratories or companies is shortly commented.