

PERSONAL INFORMATION Jan Kysela

## WORK EXPERIENCE

2012-	<b>Scientific director</b> Research centre Řež, Řež, Husinec-Řež 130
2010-2012	<b>Head, Reactor Services Section</b> Research centre Řež, Řež, Husinec-Řež 130
1993-2010	<b>Head, Division of Reactor Services</b> Nuclear Research Institute, Řež, Husinec-Řež 130
1967-1992	<b>Researcher in power plant chemistry</b> Nuclear Research Institute, Řež, Husinec-Řež 130

## EDUCATION AND TRAINING

1981	<b>PhD in Water Technology</b> University of Chemistry and Technology, Prague, Czech Republic
1966	<b>Master degree in Inorganic Chemistry</b> University of Chemistry and Technology, Prague, Czech Republic
1961-1967	<b>University of Chemistry and Technology, Faculty of Inorganic Chemistry</b> University of Chemistry and Technology, Prague, Czech Republic

## ADDITIONAL INFORMATION

<b>Professional Interests</b>	Building experimental facilities and an experimental programme for GIV (generation four) reactors, specifically reactors cooled with supercritical water or helium and experimental programme on fusion technology research in blanket module system for tritium production and energy conversion and primary first wall research.
<b>Projects</b>	Managing several research projects on primary first wall testing and technology of the cooling and breeding blanket concepts.
<b>Memberships</b>	From 1982 member of Governing board of F4E, Chairman of management board of GIV SCWR (supercritical water cooled reactors) program for fuel qualification tests. Member of European consortium for research, development and manufacturing of test blanket modul for ITER
<b>Publications and Patents</b>	In-pile testing of ITER first wall mock-ups at relevant thermal loading conditions in the LVR-15 nuclear research reactor; Kysela Jan, Entler Slavomir, SOFT-2014, San Sebastian, 2014. Determination of Electrochemical Corrosion Potential along the JMTR In-pile Loop-II; Hanawa, Satoshi, Uchida, Shunsuke, Kysela Jan, et al. NUCLEAR TECHNOLOGY Volume: 183 Issue: 1, p.136-148, JUL 2013. Development of gas cooled reactors and experimental setup of high temperature helium loop for in-pile operation; Miletic Marija, Pioro Igor, Kysela Jan, et al., NUCLEAR ENGINEERING AND DESIGN Volume: 276, p. 87-97. Koleška, M., Kysela, J., Marek, M., Všolák, R. a Zlámal, O. LVR-15 reactor and fusion related activities in material research and technology at CV Rez, <i>Technical Meeting on Applications of Research Reactors Towards Research on Materials for Nuclear Fusion Technology, Vienna (Austria)</i> , 27-29 Jun 2011. Primary coolant technology in VVER/PWR units - Experience with preconditioning, decontamination and recontamination; Kysela Jan, Vonková Kateřina, <i>VGB PowerTech</i> , 2011, Vol. 91, No. 5, p. 67-72.

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Other Relevant Information

In-pile material research and component testing on research reactor.

Test blanket development including Pb-Li technology, water cooled blanket systems, testing platform for TBM modules maintenance and repair.

PFW and divertor component development and testing.

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