

Independent Journal for
Nuclear Engineering,
Energy Systems,
Radiation
and Radiological Protection

Editorial Board

Franz Baumgärtner
Anton Bayer
Bernhard Bröcker
Dieter Brosche
Wulf Bürkle
Günter Grieger
Wolfgang Jacobi
Alexander Kaul
Yuri Kazansky
Bernhard Kuczera
Henri Métivier
Helmut Rauch
Arthur Scharmann
Klaus Schöpf
Walter Seifritz
Erich Tenckhoff
Wolfgang Weiss
Anthony Wrixon

Editor

Dipl.-Phys. Annemarie Schmitt-Hannig
(responsible), Bundesamt für
Strahlenschutz
Institut für Strahlenhygiene
Ingolstaedter Landstrasse 1
D-85764 Oberschleissheim, Germany
Tel.: +49 89-31 60 31 01
Fax: +49 89-31 60 31 40
E-mail: Schmitt@BfS.de

Kerntechnik is abstracted and/or
indexed in Science Citation Index®,
SciSearch®, Research Alert® and
Current Contents®/Engineering,
Computing and Technology.

HANSER

Carl Hanser Verlag
P.O. Box 86 04 20, D-81631 Munich,
Germany
Tel.: +49 89-99 83 00
Subscription: +49 89-99 83 01 02
Advertising: +49 89-99 83 02 04
Fax: +49 89-98 48 09
Internet: <http://www.hanser.de>
E-mail: info@hanser.de

Calendar of Events	156
---------------------------	-----

Summaries	158
------------------	-----

<i>R. C. Borges, F. D'Auria and A. C. M. Alvim</i> Independent qualification of the CIAU tool based on the uncertainty estimate in the prediction of the LOBI test A1-93	161
--	-----

<i>J. Kronenberg</i> Uncertainty and sensitivity analysis with respect to the hydrogen production determined by MELCOR 1.8.4 code during a severe accident	171
---	-----

<i>N. Ashoub and E. Amin</i> Neutronic studies for the second Egyptian research reactor ET-RR-2	177
---	-----

<i>S. Q. Bogado Leite</i> Collision probability calculation in cluster lattices with square outer boundaries.....	182
---	-----

<i>Y. Finkelstein</i> Fission product isotope ratios as event characterization tools, Part I: Particulate debris, isotopic activity ratios	187
--	-----

<i>H. Funke, G. Bernhard, J. Claussner, K. Jansen, W. Matz, H. Nitsche, W. Oehme, T. Reich and D. Röllig</i> Technical description of the radiological safety system for X-ray absorption spectroscopy experiments on radioactive samples at the Rossendorf Beamline	195
---	-----

<i>P. Hamel and V. Schmidt</i> The calibration laboratories for the measurement of Radon and short-lived Radon decay products at the Federal Office for Radiation Protection (BfS)	202
---	-----

<i>T. Heinrich and B. Knobus</i> Requirements for quality assurance from the Directive of the "Surveillance of Emission and Immission from Mining Work" and other regulations	206
--	-----

Technical Notes

<i>A. Schaffrath, A.-K. Krüsenberg, F.-P. Weiß, E. F. Hicken M. Beyer, H. Carl, H.-M. Prasser, J. Schuster, P. Schütz, M. Tamme and W. Zimmermann</i> TOPFLOW – a new multipurpose thermalhydraulic test facility for the investigation of steady state and transient two phase flow phenomena	209
---	-----

<i>A. Hainoun and A. Schaffrath</i> Simulation of subcooled flow instability for high-flux research reactors with ATHLET	214
--	-----

Books	170, 181, 194, 201, 218
--------------	-------------------------

Notes	176, 216, 217
--------------	---------------

Imprint	218
----------------	-----