

CONTENTS

14th International Conference on Emerging Nuclear Systems (ICENES 2009)

J. M. MARTÍNEZ-VAL and S. ŞAHİN	1741	Editorial: Introduction
K. J. KRAMER, W. R. MEIER, J. F. LATKOWSKI and R. P. ABBOTT	1744	Parameter study of the LIFE engine nuclear design
B. GONÇALVES, J. SOUSA and C. A. F. VARANDAS, IPFN CONTROL and DATA ACQUISITION TEAM	1751	Real-time control of fusion reactors
M. PIERA, A. LAFUENTE, A. ABÁNADES and J. M. MARTÍNEZ-VAL	1758	Hybrid reactors: Nuclear breeding or energy production?
W. MASCHEK, X.-N. CHEN, P. LIU, A. RINEISKI, M. FLAD and G. RIMPAULT	1764	Safety and design concepts of the 400 MW _{th} -class EFIT accelerator driven transmuter and considerations for further developments
J. G. MARQUES	1774	Evolution of nuclear fission reactors: Third generation and beyond
S. ŞAHİN, H. M. ŞAHİN and A. ACIR	1781	Criticality and burn up evolutions of the Fixed Bed Nuclear Reactor with alternative fuels
H. SEKIMOTO and A. NAGATA	1788	Performance optimization of the CANDLE reactor for nuclear energy sustainability
X.-N. CHEN, D. ZHANG, W. MASCHEK and T. SCHULENBERG	1792	Solitary breeding/burning waves in a supercritical water cooled fast reactor
S.-I. KOYAMA, T. SUZUKI and M. OZAWA	1799	From waste to resource, nuclear rare metals as a dream of modern alchemists
S. BORTOT, C. ARTIOLI, G. GRASSO, V. PELUSO and M. E. RICOTTI	1806	Preliminary core characterization of a Generation IV lead fast reactor DEMO: Goals, design rationales and options
M. N. H. COMSAN	1813	Nuclear electricity for sustainable development: Egypt a case study
L. MERCATALI, A. SERIKOV, P. BAETEN, W. UYTENHOVE, A. LAFUENTE and P. TELES	1818	Design study of a fast spectrum zero-power reactor dedicated to source driven sub-critical experiments
A. SAVCHENKO, A. VATULIN, I. KONOVALOV, A. MOROZOV, V. SOROKIN and S. MARANCHAK	1826	Fuel of novel generation for PWR and as alternative to MOX fuel

Energy Convers. Mgmt is indexed/abstracted in Res. Alert, Biosis Data., CAB Inter., Cam. Sci. Abstr., Chem. Abstr. Serv., Curr. Cont./Eng. Tech. & Applied Sci., Eng. Ind., Environ. Per. Bibl., INSPEC Data., Curr. Cont. Sci. Cit. Ind., Curr. Cont. SCISEARCH Data., SSSA/CISA/ECA/ISMEC, Applied Sci. & Tech. Ind., Applied Sci. & Tech. Abstr. Also covered in the abstract and citation database SCOPUS®. Full text available on ScienceDirect®.



0196-8904(201009)51:9;1-2

