

APPENDICE 1

LISTA DEGLI ACRONIMI IN ORDINE ALFABETICO

A

ABWR	Advanced Boiling Water Reactor
ACR-700	Advanced CANDU Reactor 700
ADS	Accelerator-Driven Systems
AECL	Atomic Energy of Canada Ltd.
AGIP	Azienda Generale Italiana Petroli
AGN	Aerojet General Nucleonics
AGR	Advanced Gas-cooled Reactor
AIEA	Agenzia Internazionale per l'Energia Atomica
AIN	Associazione Italiana Nucleare
AIRM	Associazione Italiana di Radioprotezione Medica
AIRP	Associazione Italiana di Radioprotezione
ALARA	As Low As Reasonably Achievable
ALWR	Advanced Light Water Reactor
AMN	Ansaldo Meccanica Nucleare
AMTEC	advanced Alkali Metal Thermal to Electric Converter technology
ANDIN	Associazione Nazionale Di Ingegneria Nucleare
ANP	(Framatome-) Framatome Advanced Nuclear Power
ANPA	Agenzia Nazionale per la Protezione dell'Ambiente
ANS	American Nuclear Society
AP1000	Advanced Pressurized Water Reactor 1000
AP600	Advanced Pressurized Water Reactor 600
APAT	Agenzia per la Protezione dell'Ambiente e per i servizi Tecnici
APR1400	Advanced Power Reactor 1400
APWR+	Advanced Pressurized Water Reactor Plus
ARE	Aircraft Reactor Experiment
ASI	Agenzia Spaziale Italiana
ASN	Autorità di Sicurezza Nucleare
ATW	Accelerator driven Transmutation technology for Waste
ATWS	Anticipated Transient Without Scram
AVLIS	Atomic Vapor Laser Isotope Separation

B

BERS	Banca Europea per la Ricostruzione e lo Sviluppo
BHWR	Boiling Heavy Water Reactor
BN	Liquid Metal Fast Reactor, Progetto Russo
BNCT	Boron Neutron Capture Therapy
BWR	Boiling Water Reactor

C

CAMEN	Centro per l'Applicazione Militare dell'Energia Nucleare
CANDU	CANada Deuterium Uranium, PHWR della AECL
CAREM	Central Argentina de Elementos Modulares
CC	Correction Coils
CEA	Commissariat à l'Energie Atomique (Francia)
CEI	Comitato Elettrotecnico Italiano
CERN	Conseil Europeen pour la Recherche Nucleaire
CESNEF	Centro Studi Nucleari Enrico Fermi
CIRTEN	Consorzio Interuniversitario per la Ricerca Tecnologica Nucleare
CISAM	Centro Interforze Studi e Applicazioni Militari
CNEN	Comitato Nazionale per l'Energia Nucleare
CNF	Cold Nuclear Fusion
CNR	Centro Nazionale Ricerche
CNRN	Comitato Nazionale per le Ricerche Nucleari
CS	Central Solenoid coils (solenoido centrale)

D

DBA	Design Basis Accident
DECON	DECONTamination (smantellamento immediato)
DEXA	Dual Energy X-ray Absorptiometry
DOE	Department Of Energy (USA)

E

EAES	European Atomic Energy Society
ECCS	Emergency Core Cooling Systems
EdF	Electricité de France
EFDA	European Fusion Development Agreement
EFN	Environmentalists For Nuclear energy
EIA	Energy Information Administration (USA)
ENEA	Ente per le Nuove tecnologie, l'Energia e l'Ambiente
ENEL	Ente Nazionale per l'Energia Elettrica SpA
ENEN	European Nuclear Education Network
ENS	European Nuclear Society
ENS YGN	European Nuclear Society Young Generation Network
ENSI	Energia Nucleare Sud Italia

ENTOMB	ENTOMBment (incapsulamento)
EPR	European Pressurized water Reactor
EPRI	Electric Power Research Institute (USA)
ESBWR	Economic Simplified Boiling Water Reactor
ESF	Engineering Safety Features
EU	European Union
EU NRWG	European Union Nuclear Regulators Working Group
EUR	European Utility Requirements

F

FBR	Fast Breeder Reactor
FDA	Final Design Approval
FDG	FlouroDeoxyGlucose
FIEN	Forum Italiano dell'Energia Nucleare
Flibe	Molten salt made of F Li Be
FMCRD	Fine Motion Control Rod Drive
FN	Fabbricazioni Nucleari
FORATOM	FORum ATOMico Europeo
FSAR	Final Safety Analysis Report
FTU	Frascati Tokamak Upgrade
FW	First Wall (prima parete)

G

GCR	Gas-Cooled Reactor
GETSCO	General Electric Technical Service COmpany
GFR	Gas-cooled Fast Reactor
GIF	Generation IV International Forum
GRNS	Generation IV Roadmap NERAC Subcommittee
GT-MHR	Gas Turbine-Modular High Temperature Reactor

H

HC-BWR	High Conversion Boiling Water Reactor
HEU	Highly Enriched Uranium (uranio altamente arricchito)
HIF	Heavy Ion Fusion
HLW	High Level Waste
HTGR	High-Temperature Gas-cooled Reactor
HWGCR	Heavy Water moderated, Gas Cooled Reactor
HWLWR	Heavy Water moderated, boiling Light Water cooled Reactor
HWR	Heavy Water Reactor

I

IAEA	International Atomic Energy Agency (UN)
ICF	Inertial Confinement Fusion (Fusione a Confinamento Inerziale)

ICRP	International Commission on Radiological Protection
ICRU	International Commission on Radiation Units and measurements
IEA	International Energy Agency
IFE	Inertial Fusion Energy
IFMIF	International Fusion Material Irradiation Facility
IFR	Integral Fast Reactor
IMR	International Modular Reactor
INDT	International Near Term Deployment
INFM	Istituto Nazionale per la Fisica della Materia
INFN	Istituto Nazionale per la Fisica Nucleare
INN	Italian Nuclear Network
INPO	Institute of Nuclear Power Operations
INPRO	INternational PROject on innovative nuclear reactor and fuel cycle
INSC	Instrument for Nuclear Safety Cooperation (UE)
IPU	Impianto Plutonio
IRI	Istituto per la Ricostruzione Industriale
IRIS	International Reactor Innovative and Secure
IRS	Incident Reporting System
ISO	International Standards Organisation
ISS	Istituto Superiore di Sanità
ITER	International Thermonuclear Experimental Reactor
ITER-Consult	Independent Technical Evaluation and Review Consult
ITREC	Impianto TRattamento Elementi di Combustibile
IYNC	International Youth Nuclear Congress

J

JET	Joint European Torus
JRC	Joint Research Centre (EU)

K

KRC	Karlsruhe Research Center (Germania)
KSNP	Korea Standard Nuclear power Plant

L

LANL	Los Alamos National Laboratory (USA)
LBNL	Lawrence Berkeley National Laboratory (USA)
LENA	Laboratorio Energia Nucleare Applicata
LEU	Low Enriched Uranium (uranio leggermente arricchito)
LFR	Lead-cooled Fast Reactor
LILW-LL	Low and Intermediate Level Waste - Long Lived
LILW-SL	Low and Intermediate Level Waste - Short Lived

LINAC	LINear ACcelerator
LLNL	Lawrence Livermore National Laboratory (USA)
LMFBR	Liquid Metal Fast Breeder Reactor
LOCA	Loss Of Coolant Accident
LWGR	Light Water cooled Graphite Reactor
LWR	Light Water Reactor

M

MARS	Multipurpose Advanced Reactor inherently Safe
MAUS	Moltiplicatore Avanzato Ultracompatto Spaziale
MCF	Magnetic Confinement Fusion (Fusione a Confinamento Magnetico)
MFE	Magnetic Fusion Energy
MIT	Masachussetts Institute of Technology (USA)
MIUR	MInistero dell'Università e della Ricerca
MOC	Mineralometria Ossea Computerizzata
MOX	Mixed OXide fuel
MSR	Molten Salt Reactor
MSRE	Molten Salt Reactor Experiment da 8 MWth
MtCO ₂ eq	Milioni di tonnellate equivalenti di CO ₂
MTR	Materials Test Reactor

N

NASA	National Aeronautics and Space Administration (USA)
NEA	Nuclear Energy Agency (OECD)
NERAC	Nuclear Energy Research Advisory Committee (USA)
NERVA	Nuclear Engine for Rocket Vehicle Application (USA)
NIF	National Ignition Facility
NIS	New Independent States (of the former Soviet Union)
NPT	Non Proliferation Treaty
NRC	Nuclear Regulatory Commission (USA)
NRWG	Nuclear Regulatory Working Group
NSA	Nuclear Safety Account (UE)
NSSS	Nuclear Steam Supply System
NTDG	Near Term Deployment Group
n-Tof	neutron Time of Flight

O

OCSE	Organizzazione per la Cooperazione e lo Sviluppo Economico (OECD in Inglese)
OECD	Organization for Economic Cooperation and Development
OECD	CNRA Committee on Nuclear Regulatory Activity
OECD CSNI	Committee on Safety of Nuclear Installations

OECD INEX	International Nuclear Exercise
OPEC	OPERazioni Calde
OSART	Operating Safety Assessment Review Team

P

PARM	Post Accident Radioactive Monitoring
PASS	Post Accident Sampling System
PBMR	Pebble Bed Modular Reactor
PET	Positron Emission Tomography
PF	Poloidal Field coils
PFC	Plasma Facing Components (componenti affacciati al plasma)
PHARE	Poland and Hungary: Assistance for Restructuring their Economies (UE)
PHWR	Pressurized Heavy Water Reactor
PLR	Primary-Loop Recirculation pump
PSA	Probabilistic Safety Analysis
PSAR	Preliminary Safety Analysis Report
PUN	Progetto Unificato Nucleare
PWR	Pressurized Water Reactor

Q

QA	Quality Assurance
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R

RB-1,2,3	Reattori sperimentali di Bologna
RBMK	High-Power Boiling Reactor with Pressurized Channels, Progetto Russo
RC-1	Reattore sperimentale di Casaccia
RCCV	Reinforced Concrete Containment Vessel
RCPB	Reactor Coolant Pressure Boundary
RESN	Radiological Environmental Surveillance Network
RF	Radio-Frequenza
RIP	Reactor Internal Pump
RMN	Risonanza Magnetica Nucleare
RORSAT	Radar-equipped Ocean Reconnaissance SATellite
RPV	Reactor Pressure Vessel
RTG	Radioisotope Thermoelectric Generators

S

SAFESTOR	SAFE STORAge (smantellamento differito)
SAR	Safety Analysis Report
SBWR	Simplified Boiling Water Reactor

SCLWR	SuperCritical Light Water Reactor
SCWR	SuperCritical Water-cooled Reactor
SELNI	Società ELettroNucleare Italiana
SENN	Società Elettro Nucleare Nazionale
SFR	Sodium-cooled Fast Reactor
SGHWR	Steam Generating Heavy Water Reactor
SGTR	Steam Generator Tube Rupture
SIMEA	Società Italiana Meridionale per l'Energia Atomica
SIP	Shelter Implementation Plan
SIPS	Società Italiana per il Progresso delle Scienze
SLAC	Stanford Linear Accelerator Center (USA)
SM-1	Subcritical Mass
SMART	System-integrated Modular Advanced Reactor Technology
SNAP	System for Nuclear Auxiliary Power
SNI	Società Nucleare Italiana
SoGIN	Società Gestione Impianti Nucleari
SPECT	Single Photon Emission Computed Tomography
SSBN	Ship Submersible Ballistic Nuclear
SSN	Submersible Ship Nuclear
START I e II	STrategic Arms Reduction Treaty I e II
SWR-1000	SiedeWasser Reactor-1000

T

TAC	Tomografia Assiale Computerizzata
TACIS	Technical Aid to the Commonwealth of Independent States (UE)
TDS	Total Dissolved Solids
TEPCO	Tokio Electric Power Company
TF	Toroidal Field coils
TMI	Three Mile Island NPP
TNP	Trattato di Non Proliferazione
TNPG	The Nuclear Power Group Ltd.
TRADE	TRiga Accelerator Driven Experiment
TRASCO	TRAsmutazione SCORie
TRIGA	Training, Research, Isotope production, General Atomic
TSO	Technical Support Organisation

U

UCB	University of California Berkeley (USA)
UE	Unione Europea
UIC	Uranium Information Centre
UN	United Nations
UNI	Ente Nazionale Italiano di Unificazione
URD	Utility Requirements Document

US-NRC United States Nuclear Regulatory Commission

V

VHTR Very High-Temperature gas Reactor
VLLW Very Low Level Waste
VV Vacuum Vessel (camera da vuoto)
VVER 440 Water-Cooled Water-Moderated Power Reactor,
Progetto Russo

W

WANO World Association of Nuclear Operators
WEC World Energy Council
WENRA Western European Nuclear Regulators Association
WIPP Waste Isolation Pilot Plant
WNA World Nuclear Association
WNU World Nuclear University
WWER Water-Cooled Water-Moderated Power Reactor,
Progetto Russo.