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LIST OF ACRONYMS

<u>Acronym</u>	<u>Definition</u>
3D	THREE DIMENSIONAL
AECL	ATOMIC ENERGY OF CANADA LIMITED
AICC	ADIABATIC ISOCHORIC COMPLETE COMBUSTION
BML	BRAY-MOSS-LIBBY (MODEL)
BMC	BATTELLE MODEL CONTAINMENT
BNL	BROOKHAVEN NATIONAL LABORATORY
BR	BLOCKAGE RATIO
CEA	COMMISSARIAT À L'ÉNERGIE ATOMIQUE
CFD	COMPUTATIONAL FLUID DYNAMICS
CFL	COURANT, FRIEDRICHS, LEVY
CJ	CHAPMAN JOUGUET (VELOCITY)
CSNI	COMMITTEE ON THE SAFETY OF NUCLEAR INSTALLATIONS (NEA)
CSP	COMPUTATIONAL SINGULAR PERTURBATION
DCH	DIRECT CONTAINMENT HEATING
DDT	DEFLAGRATION-TO-DETONATION TRANSITION
DNS	DIRECT NUMERICAL SIMULATION
DPEA	DÉPARTEMENT DE PRÉVENTION ET D'ÉTUDE DES ACCIDENTS (FRANCE)
EBU	EDDY BREAKUP (CONCEPT)
EDC	EDDY DISSIPATION CONCEPT
EPR	EUROPEAN PRESSURIZED REACTOR
FA	FLAME ACCELERATION
FCT	FLUX-CORRECTED TRANSPORT
FZJ	FORSCHUNGSZENTRUM JÜLICH
FZK	FORSCHUNGSZENTRUM KARLSRUHE
GRS	GESELLSCHAFT FÜR ANLAGEN- UND REAKTORSICHERHEIT
HPC	HIGH-PERFORMANCE COMPUTING
HPC	HIGH-PRESSURE CHAMBER
HPF	HIGH-PERFORMANCE FORTRAN
HTCF	HIGH-TEMPERATURE COMBUSTION FACILITY
HPS	HIGH-PRESSURE SECTION
ICDERS	INTERNATIONAL CONGRESS ON THE DYNAMICS OF EXPLOSIVES AND REACTIVE SYSTEMS
IKET	INSTITUT FÜR KERN- UND ENERGIETECHNIK
ILDM	INTRINSIC LOWER DIMENSIONAL MANIFOLD
IRWSTIN	CONTAINMENT REFUELLING WATER STORAGE TANK
IPSN	INSTITUT DE PROTECTION ET DE SÛRETÉ NUCLÉAIRE (FRANCE)
ISW	INCIDENT SHOCK WAVE
LAT	LEHRSTUHL A FÜR THERMODYNAMIK
LES	LARGE EDDY SIMULATION
LBLOCA	LARGE-BREAK LOSS-OF-COOLANT ACCIDENT
LIPF	LASER-INDUCED PREDISSOCIATION FLUORESCENCE
LOCA	LOSS-OF-COOLANT ACCIDENT
LPC	LOW-PRESSURE CHAMBER
LPS	LOW-PRESSURE SECTION
LWR	LIGHT-WATER REACTOR

MFCC	MODERN FIELD CODE CLUSTER
MITI	MINISTRY OF INTERNATIONAL TRADE AND INDUSTRY (JAPAN)
MPI	MESSAGE PASSING INTERFACE
MPP	MASSIVE PARALLEL PROCESSING
NEA	NUCLEAR ENERGY AGENCY (OECD)
NIS	NUKLEAR INGENIEUR SERVICE (GERMANY)
NPP	NUCLEAR POWER PLANT
ODE	ORDINARY DIFFERENTIAL EQUATION
OECD	ORGANISATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT
PAR	PASSIVE AUTOCATALYTIC RECOMBINER
PDF	PROBABILITY DENSITY FUNCTION
PSA	PROBABILISTIC SAFETY ANALYSIS
PVM	PARALLEL VIRTUAL MACHINE
PVP	PARALLEL VECTOR PROCESSING
PWR	PRESSURIZED-WATER REACTOR
QC	QUASI-STEADY COMPLEX
RMS	ROOT MEAN SQUARE
RNG	RENORMALIZATION GROUP THEORY
RNS	REYNOLDS-AVERAGED NAVIER-STOKES
RPV	REACTOR PRESSURE VESSEL
RSW	REFLECTED SHOCK WAVE
RUT	FACILITY AT THE KURCHATOV INSTITUTE
RW	REFLECTED WAVE
RWTH	RHEINISCH WESTFÄLISCHE TECHNISCHE HOCHSCHULE AACHEN
SEAC	SERVICE D'ÉTUDES SUR LES ACCIDENTS (FRANCE)
SEW	SECONDARY EXPLOSION WAVE
SI	SAFETY INJECTION
SIMPLE	SEMI-IMPLICIT METHOD FOR PRESSURE-LINKED EQUATIONS
SBLOCA	SMALL-BREAK LOSS-OF-COOLANT ACCIDENT
SNL	SANDIA NATIONAL LABORATORIES
SOAR	STATE-OF-THE-ART REPORT
SWACER	SHOCK WAVE AMPLIFICATION BY COHERENT ENERGY RELEASE
TVD	TOTAL VARIATION DIMINISHING
USNRC	UNITED STATES NUCLEAR REGULATORY COMMISSION
ZND	ZELDOVIC-VON NEUMANN-DÖRING (CORRELATION)



Writing Group of the state-of-the-art report on *Flame Acceleration and Deflagration-to-Detonation Transition in Nuclear Safety* at the group's final meeting at FZK, Karlsruhe, August 5 and 6, 1999

Front row (from left): Dr. Jacques Royen (Secretary), Dr. Asimios Malliakos, Dr. Calvin K. Chan, Professor Boris E. Gelfand, and Dr. Wolfgang Breitung (Chairperson);

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Absent from the photo are Dr. Paul Thibault and Professor Dr.-Ing. Rupert Klein.