

FONDUL MIRCEA RATIU

Autor	Titles papers/books	No.crt
<i>AASHTO</i>	<i>AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS</i>	.
	- Bridge Fatigue Design 1	1
	- Guide specifications fracture critical non-redundant steel bridge members	2
	- Bridge Fatigue Guide Statistical Summaries Fatigue Data Design Purposes- Attachments	3 4
<i>ACI-222R</i>	American Concrete Institute Corrosion of Metals in Concrete	5
<i>AISI</i>	<i>AMERICAN IRON and STEEL INSTITUTE</i>	
	- Cold-formed steel design manual	6
	Variation Product Analysis-Tensile Properties Carbon Steel	7
	Military Handbook Guidelines Presentation Test Data MIL HDBK-5D	8
	HANDBOOK OF COMPARATIVE WORLD STEEL Standards	9
<i>ASM</i>	<i>AMERICAN SOCIETY for MATERIALS</i>	
	Metals Handbook –vol.8 - Mechanical Testing	10
	Metals Handbook vol.11, Failure Analysis & Prevention 1987	11
	Metals Handbook vol.17, Nondestructive Evaluation Quality Control	12
	Source book in failure analysis	13
	Handbook Metals Properties	14
	Materials for Elevated Temperatures, Source Book	15
<i>ANSI</i>	<i>AMERICAN NATIONAL STANDARD INSTITUTE</i>	
	Collection ANSI Standards	16
	B16.34 Valves – Flanged and But welded - - 1984	17
	B 31.1 Power Piping"	18
	B 31.1G Manual Determining the Remaining Strength of Piping	19
	B 31.3 - Chemical Refinery Piping	20
	B 46.1- Surface Texture Surface Roughness -Waviness and Lay	21
<i>ANSI/AFBMA</i>	Std.9 –1978 - Load Ratings and Fatigue life for Ball Bearings	22
<i>ANSI/ASOQ</i>	Z1.4 Sampling Procedures Tables for Inspection by Attributes	23
<i>ANSI/ASOQ</i>	Z1.9 Sampling Inspection Plans	24
<i>API</i>	<i>AMERICAN PETROLEUM INSTITUTE</i>	
	Rules Design Construction Large Welded Tanks API Standard 620	25
	ANSI/API – Centrifugal Pumps for General Refinery Services	26
<i>ASME</i>	<i>The AMERICAN SOCIETY OF MECHANICAL ENGINEERS</i>	
	ASME BOILER AND PRESSURE VESSEL CODE	
	Course ASME B&PV Code Criteria for Design	27
	Pressure Vessels Piping Design Technology-1982 Decade Progress	28
	Vibrations in Reciprocating Machinery and Piping	29
	Section I Power Boilers	30
	Section II Material Specifications	31
	Section III Division 1 Rules Construction NuclearFacilityComponents	32

Subsection NCA General Requirements	33
Subsection NB – Class 1 Components	34
Subsection NC – Class 2 Components	35
Subsection ND – Class 3 Components	36
Subsection NF – Components Supports	37
Subsection NG – Core Support Structures	38
Subsection NH – Class 1 Components Elev Temperature Service	39
Section III Division 2 Concrete Reactor Vessels Containments	40
Section III Division 3 Containment System and Transport Packaging	41
Spent Nuclear Fuel High Level Radioactive Waste	42
APPENDICES	
"Stress Analysis " Appendix A/Section III, 1995	43
"Rules for Evaluation of Service Level D Limits"	44
Applications Appendix F, 1995	45
Application Appendix R/Section III,	46
Section IV Heating Boilers	47
Section V Nondestructive Examination, July 1980	48
Section VIII Pressure Vessels Division 1	49
Division 2 Alternative Rules	50
Division 3 Construction High Pressure Vessels	51
Stress Analysis High Pressure Components Notes	52
Section IX Welding and Brazing Qualifications	53
Section X Fiber-Reinforced Plastic Pressure Vessels	54
Section XI Rules Inservice Inspection Nuclear Power PlantComponents	55
AppendixH, Evaluation Flaws Ferritic Piping	56
Appendix K Flaws induced in Piping, 1995	57
CODE Cases N-31,N- 32, N48-1, N49-3, N50 ,	58
N-414; N- 456; N- 489	59
N- 47-25 Elevated Temperature Design,	60
N-264 Metal Shell Buckling	61
: N- 463; N-494 Flaws Ferritic Piping	62
ASME "Testing and Analysis of Safety/Relief Valve Performance"	63
ASME "Vibration in Power Plant Piping and Equipment"	64
ASME - Course: Remaining Life Evaluation & Prediction Pressure Vessels	65
ASME - Manual for determining strength of corroded pipelines	66
ASME BPV Code Sect. III & XI -Course -Update Edition 1989, lecture notes	67
Permissible Lowest Metal Temperature LST Carbon Steel Piping	68
5-th International Conference Pressure Vessel Technology	69
6-th International Conference Pressure Vessel/PipingTechnology	70
in a Global Society	
7-th International Conference Pressure Vessel Technology , 1992	71
ASTM <i>AMERICAN SOCIETY TESTING and MATERIALS</i>	
<i>STANDARDIZATION NEWS</i> - 1990 -1993	72
Iron and Steel Products. Vol.01	73
Metals Test Methods & Analytical Procedures Vol.03.01 1993	74
ASTM DS-56 Unified Numbering System for Metals and Alloys	75

ASTM-Workshop on multiaxial fatigue, April 1990	76
Standards Manufactures Association- Expansion joints., 1975	77
<i>ABB IMPELL</i> "Piping Design and Analysis" –Course	78
Storage Tank Buckling Evaluation Finite Elements Analysis	
"Suitability to Steady - State Vibration of Welded Supports"	79
"Pump Shaft Fatigue Failures"	80
"Statistical Sampling Plans" <i>ECE 3.26</i>	81
<i>ABONDI J., ACHENBACK J.D.</i> Transition from brittle to ductile fracture for a rapidly propagating crack	82
<i>AINSWORTH R.A. and GOODALL I.W.</i> "Development of Procedure for the Assessment of Defects at Elevated Temperatures", <i>Journal Pressure Vessels and Piping</i> , 37 (1989) pp.141-153	83
<i>AKIN J. Ed.</i> "Computer Assisted Mechanics Design"	84
<i>AMIN M. & WANG P.Y.</i> Sampling Procedures Reinspection Nuclear Power Plants Components	85
<i>AMITH/VAN LAAN</i> Piping & Supports	86
<i>ANDERSON T.L.</i> Fracture Mechanics, 1 st edition , CRC Press, 1989	87
<i>ANDERSON T.L.</i> Fracture Mechanics, 3 ^d edition , CRC Press, 1995,	88
<i>ANDERSSON P.a.o.</i> A Procedure for Safety Assessment of Components with Cracks, 3d Report 96/08 SAQ Kontroll AB Sweden	89
<i>ANG S.A. TANG W.H.</i> "Probability Concepts Engineering Planning and Design	90
<i>AYNE J.R.</i> PVRC Centrifugal Pump-Piping Interaction Experience Survey, 1986	91
<i>BARAN M.</i> Finite Elements Analysis on Microcomputers, Solid Mechanics	92
<i>BARAN M.NICHOLS</i> Finite Element Analysis on Microcomputers	93
<i>BARSOM J.,ROLFE S.</i> Fracture and Fatigue Control in Structures ed.1	94
<i>BARSOM J., ROLFE S..</i> Fracture and Fatigue Control in Structures, ed 2, 1987	95
<i>BATTELLE</i> "Method of Analysis of the Remaining Strength of Corrosion Defects for Buried Segments of the TRANS-ALASKA Pipeline"	96
<i>BLEVINS ROBERT.D.</i> Formulas for natural frequency and mode shape - 1984	97
<i>BLEVINS ROBERT D.</i> Flow-induced vibration, edition 2	98
Computer solutions of fluid problems LIQT	99
<i>BLODGET R.</i> Design of Welded Structures	100
<i>BLOOM/EKVALL</i> - Probabilistic fracture mechanics and fatigue methods; applications structural design & maintenance ASTM STP 798	101
<i>BORESI A.</i> Advanced mechanics of materials	102
<i>BORESI A.P. ,SIDEBOTTOM O.M.</i> Advanced Mechanics of Materials	103
<i>BRACH R.M.</i> "Mechanical Impact Dynamics-Rigid Body collisions", 1992	104
<i>BROEK D.</i> "Elementary Engineering Fracture Mechanics"	105
<i>BROWN K.R.</i> The chevron notched fracture toughness test	106
<i>BURGREN DAVID</i> Elements of Thermal Stress Analysis	107
<i>BUSHNELL DAVID</i> Strength of Materials Notes vol.1/2	108
<i>BUSHNELL DAVID</i> Plastic Buckling pag.47-117	109
<i>CADWELL ROBERT M.</i> Deformation and Fracture of Solids	110
<i>CHANDLER H.E.</i> The "how to write what " book	111
<i>CHAPMAN & HALL</i> Mechanical Engineering, 1993	112
<i>CHEN D.H.a.o.</i> Stress Intensity Factors Internal Semi-elliptical Surface Crack	113

Cylindrical Pressure Vessel Journal Pressure Vessel Technology, nr.3, 1995	
<i>CIARLET P.</i> Mathematical Elasticity	114
<i>CLINTOCK/ARGON</i> Mechanical behaviour of materials	115
<i>CONWAY JOSEPH B., SJODAHL LARS H.</i> Analysis/Representation Fatigue Data	116
<i>COSLOW/MAURER</i> Evaluation thermal stratification Diablo Canyon 1, & 2 pressurizer surge line, nov.1989	117
<i>CROSBY PHILIP</i> Quality Education System - for the individual 1988	118
<i>DAI DAEDALUS ASSOCIATES INC.</i> Generic guidelines for the life extension of fossil fuel power plants , 1974,	119
<i>DALLY J., RILEY W.P.</i> "Experimental Stress Analysis" McGraw-Hill, 1991	120
<i>DIETER G.E.</i> Mechanical Metallurgy, ed.a2-a, 1976	121
<i>DODGE H.F., ROMIQ H.G.</i> "Sampling Inspection Tables"	122
<i>EPRI ELECTRICAL POWER RESEARCH IMSTITUTE</i>	
<i>EPRI NP-1931</i> Engineering Approach Elastic-Plastic Fracture Mechanics, 1981	123
<i>EPRI NP-1921</i> Rationale Standard Requalification Nuclear Component	124
<i>EPRI NP-5479</i> Application Guidelines Check Valves in Nuclear Power Plants	125
<i>EPRI NP-4210</i> - Conceptual Study to Develop Revised Dynamic Code Criteria for Nuclear Power Plant Piping	126
<i>EPRI NP-6301-D</i> "Ductile Fracture Handbook" 1989	127
<i>EPRI</i> Application of Tearing Modulus	128
<i>EPRI</i> Guidelines: Fatigue evaluation for operating LWRS	129
<i>EPRI</i> Evaluation of the Toughness of Austentic Stainless Steel Pipe Weldments, 1986	130
<i>EPRI</i> Effect of Stress-Related Pipe Cracking Remedies on Low-Temperature Sensitization, 1982	131
<i>EPRI</i> Good Bolting Practices-manual nuclear power plant maintenance, vol.1&2	132
<i>EPRI</i> Crack Growth Kinetics in BWR Piping Welds	133
<i>EPRI GUIDE</i> "On-Line Sealing"	134
<i>EPRI NP-6516/1990</i> Guide for Use of Valves in Power Plants;	135
<i>EPRI GUIDELINES</i> " Fatigue Evaluation for Operating LW reactors"	136
<i>EPRI</i> Water hammer prevention, mitigation ,accomodation guidelines	137
<i>IEEE Seismic Qualification Nuclear Power Generating Stations</i> Standards IEEE : 223-1983,344-1987,382-1980,C37-98-1978	138
<i>NEMA Cable Tray Standards Motors/Generators/Steam Turbines</i> Standards :MG 1-1987; SM - 23 - 1979; VE 1- 1984	139
<i>EWALDS H.</i> Fracture Mechanics	140
<i>FAILURE ANALYSIS</i> , Course Failure Root Causes Mitigation Vol.1 and.2, 1989	141
<i>FAILURE ANALYSES REPORTS</i> Inservice Fitness Evaluation & Qualification	142
<u><i>Power Plant Welded Joints Failures:</i></u>	
1.Drain Pipe Socket Welds Serviceability;	143
2. Control Tube Slip-on Flange Welds Cracking;	144
3 Piping Branch Incomplete Welded Joints;	145
4 Pressurizer Instrument Nozzle Welds Failure;	146
5.Pressurizer Steam Space Nozzle Welds Cracking	147
<u><i>Components Failure</i></u>	

1.Heat Exchanger Nozzle Cracks	148
2.Feedwater Heater Impingement Baffle Fracture	149
3.Vent Pipe Ruptured Joint;	150
4. Boiler Tube Overheating Burst;	151
5. Cooling Water Aluminum Bronze Welds Serviceability;	152
6. Condenser Gray Iron Casting Box Flange Fracture;	153
Brittle Cast Iron Strength Design , references	154
7. Reactor Coolant Pump- Potential Shaft Cracks Analysis	159
8. Cast Stainless Steel Ultrasonic Imaging Evaluations	160
9. Graphite Core Offset Mechanisms Failure Analysis	161
10. Tanks Large Welds Failure Modes and their Consequences	162
<u>Mechanical Fasteners Serviceability:</u>	
1.Failure Root Causes Analyses;	163
2.Steel Quality Validation - Missmarked/Substandard Fasteners	164
Fasteners Institute Advisory Report;	165
3. Steel Fitness for Service	166
4. Disc- Stud Root Fracture Causes Mitigation	167
<u>Components .Failure Root Causes Wear:</u>	
1. Wear Damage Evaluation:Mechanism Life Assessment;	168
2. Valve Trim Materials design	169
3. Crosby Safety Valves: Disc Holder Lands Wear;	170
4. Disc Service Damage Mitigation	171
5. Wear Mitigation: Components Hard-Facing.	172
<u>Piping Systems Fitness for Service - Qualification/Validation:</u>	
1. Piping Fracture Mechanics Procedures.	173
2. Piping Flaw Analyses;	174
3. Inservice Failure Evaluation of Piping Components	175
4. Piping Failure Prevention Approach	176
5. Exhaust Pipes Operability - Intermittent Elevated Temperatures;	177
6. Piping Systems Vibrations- Serviceability Analysis.	178
7. Carbon Steel Power Piping Serviceability	179
8. Functional Capability Criteria for Mark II Piping	180
<i>FLORMAN S.C.</i> The Civilized Engineer, St.Martin's Press, 1987	181
<i>FRACTURE MECHANICS</i> Analysis for Nuclear Power Plant Components-	182
Primer Fracture Mechanics Nuclear Power Industry,1990	183
- Papers/references collection- convolut 1/;2/; 3/	184
<i>FREUD L.B.; DUFFY J.; ROSAKIS A.J.</i> Dynamic fracture initiation in metals	185
preliminary results; method of caustics crack propagation measurements	
<i>GALAMBOS T.</i> "Guide to Stability Design Criteria Metal Structure"	186
<i>GENERAL ELECTRIC GEAP Reports</i>	
<i>GEAP-5279</i> "Reactor Coolant System Rupture Study" General Electric	187
<i>GEAP -620</i> Systematic Prevention Approach , 1983	
<i>GERDEN</i> "Critical Evaluation of Plasticity" WRC Bulletin 254	188
<i>GERE J.M., TIMOSHENKO S.P.</i> "Mechanics of Materials" 3d Edition 1990	189
<i>EVENSEN T.C.:</i> "Mathcad Supplement",IBM PC Engine 5.0 Window 3.1,1997	190
<i>HAMILTON C.W.</i> "Failure Rates for Bolted and Welded Anchors"	191

<i>HANG E.J.</i>	Mechanics of structures and machines - 1989	192
<i>HAROUN M.A.</i>	"Vibration Studies of Liquid Storage Tanks"	193
<i>HARRIS D.</i>	The influence crack growth kinetics on the BWR piping welds	194
<i>HARRIS D.O., FULLWOOD R.R</i>	An analysis relative probability pipe rupture	195
<i>HARVEY F. JOHN</i>	The theory and design of pressure vessels	196
<i>HELLAN K.</i>	Introduction to Fracture Mechanics	197
<i>HELLER W.R.</i>	Creep engineering materials	198
<i>HERTZBERG R.W</i>	"Deformation Fracture Mechanics Engineering Materials	199
<i>HETENYI M.</i>	Handbook of Experiments Stress Analysis	200
<i>HICKS/MUELLER</i>	Standard Handbook of Consulting Engineering Practice	201
<i>HONEYCOMBE R.W.H.</i>	"Steels Microstructure and Properties"	202
<i>HOPKINS R.B.</i>	"Design Analysis of Shafts and Beams", McGraw Hill, 1970	203
<i>IIW Conference Proceedings</i>	" Fitness for Purpose of Welded Structures" 1991	204
<i>IMPELL Corporation</i>	- Maintenance engineering services	205
	Engineering Consulting Services	206
	Functional Capability Criteria Mark II Piping - NEDO	207
	Managing tough in a tough-to manage industry	208
	Applications for structural design and maintenance.	209
	Piping Design and Analysis short course Attachments	210
	Inservice evaluation-qualification power plant components experience	211
<i>IRWIN G.R.</i>	Basic concept for dynamic fracture testing	212
<i>JASKE C.E.; T.V.NARAYANAN,</i>	"Remaining Life Evaluation and Life Prediction Pressure Vessel and Piping Components" 1987. ASME Course	213
<i>JEFFERSON P. & WOODS R.</i>	"Metals- How to Weld Them"	214
<i>JURAN J.M. a.o</i>	" Quality Control Handbook"3dEd./4thEd. Mc.Graw Hill	215
<i>KANINEN V., POPELAR A.</i>	Advanced Fracture Mechanics	216
<i>KANNIEN F.MELVIN</i>	Advanced fracture mechanics	217
<i>KAPUR C.; LAMBERSON L.R.</i>	Reliability in engineering design	218
<i>KELLOG</i>	Design of Piping Systems	219
<i>KENTISCH D.M.</i>	Industrial Pipework - Mc.Graw Hill, New-York	220
<i>KING W.J.</i>	The Unwritten Law of Engineering, ASME	221
<i>KLEINLOGEL A.</i>	Rigid Frame Formulas	222
<i>LANSDOWN A.R./A.L.PRICE</i>	"Materials to Resist Wear" Pergamon Press	223
<i>LEIS, KANNINEN ,BROEK</i>	- A critical review the short, crack problem in fatigue	224
<i>LYSAGHT V.</i>	Handbook of Hardness Testing"	225
<i>MARSDEN J., HUGHES T.</i>	Mathematical Foundations of Elasticity	226
<i>MAYER/ROHRBACH</i>	Handbook fluidische Messtechnik, VDI Verlag, 1976	227
<i>McCLINTOCK E., ARGON A.</i>	Mechanical Behavior of Materials	228
<i>McWHORTER J.C., WETENKAMP H.R</i>	" Finite Deflections of Curved Beams", Journal of the Engineering Mechanics, 1971	229
<i>MICHAELSON</i>	"How to write & publish Engineering Reports"	230
	<i>CENTRAL ELECTRICITY GENERATING BOARD CEGB UK</i>	
<i>MILLER A.G.</i>	"Limit loads of Structures Containing Defects", 2nd Ed. CEGB	231
<i>MILLER A.G.</i>	"Limit Loads of Structures CEGB"	232

<i>MILNE I. a.o.</i>	"Assessment of the Integrity Structures Containing Defects" CEGB , Rev.3, 1986	233
<i>MILLER C.D.</i>	Research related to Buckling Design of Nuclear Containment	234
<i>MOODY W.T.</i>	Moments and Reactions for Rectangular Plates, ed.1978	235
<i>MORRISON J.W.</i>	Strength of Materials and Structural Design, ed.1979	236
<i>MUNSE W.</i>	"Fatigue of Welded Steel Structures"	237
<i>NTIS-</i>	Investigation Evaluation Cracking Incidents Piping Pressurized Water Reactors	238
<i>NUCLEAR REGULATORY DOCUMENTS</i>		
	Nuclear Regulatory Commission Research Program"	239
	NRC pressure vessel research program, Dec., 1986	240
<i>NUREG - 063 "</i>	Proceedings Statistical Symposium on National Energy Issues	241
<i>NUREG/CR - 0261 "</i>	"Evaluation of the Plastic Characteristics of Piping Products in Relation to ASME Code Criteria	242
<i>NUREG - 0311 "</i>	A Treatment of the Subject of Tearing Instability"	243
<i>NUREG/CR 0371 -</i>	"Stress Intensity for Girth Welded Joints"	244
<i>NUREG - 0554 "</i>	"Single-Failure-Proof Cranes for Nuclear Power Plants"	245
<i>NUREG 0744 -</i>	Reactor Vessels Materials Toughness Safety Issue	246
<i>NUREG/CR- 0833</i>	Stability Analysis of Circumferential Cracks Reactor Piping Systems"	247
<i>NUREG 1211-</i>	Regulatory Analysis Resolution Unresolved Safety Issue A-46 Seismic Qualification of Equipment in Operating Plants	248 249
<i>NUREG CR-1783-</i>	Structural Integrity Reactor Pressure Boundary Components ORNL-2913/9 Progress Report	250 251
<i>NUREG/CR 2137 -</i>	Realistic seismic design margins pumps, valves and piping	252
<i>NUREG/CR-2165</i>	An Investigation of Buckling of Steel Cylinders with Circular Cutouts Reinforced Los Alamos Scientific Laboratory	253
<i>NUREG/CR 2301 "</i>	"Fracture Mechanics Models for Piping Reliability Assessment in Light Water Reactors"	254
<i>NUREG/CR 3137 51643 -</i>	Seismic and Dynamic Qualification of Safety Related Electrical and Mechanical Equipment	255
<i>NUREG CR-3853 ORNL 6093/NUREG G.T.YAHR -</i>	Preloading of Bolted Connections in Nuclear Reactor Component Supports	256
<i>NUREG/CR-4731/EGG-2469</i>	Residual Life Assessment Reactor Feedwater Piping	257
<i>NUREG/CR-4943; ORNL/TM-10425-</i>	Preparation of design specifications and design reports for pumps, valves, piping and piping supports used in safety-related portions of nuclear power plants	258
<i>NUREG</i>	Stress Analysis Spent Nuclear Casks Flowcharting & Fortran	259
<i>NUREG/CR 5860</i>	Fracture Mechanics-Based Failure Analysis -1992	260
<i>ORNL</i>	"Vessel Integrity Review Group Meeting December 1986	261
<i>ORNL NRC-5 E.C.Rodabaugh , S.E. Moore "</i>	"Evaluation of the Bolting and Flanges of ANSI B16.5 ASME Code Design Rules"	262
<i>ORNL TM 3520 E.C.Rodabaugh , S.E. Moore "</i>	"Comparisons of Test Data with ASME Code Methods for Fatigue Evaluation"	263
<i>ORNL-TM-4929 "</i>	"Stress Indices ANSI Standard B16.11 Socket Welding Fittings"	264
<i>PANONTIN T., HILL M. "</i>	"Proof-Test based Life Prediction High-Toughness	265

	Pressure Vessel Steels", Journal Pressure Vessel Technology nr.1, 1986	
<i>PARIS P.</i>	Concepts in Fracture Mechanics, Summary Course	266
<i>PEERCE R.</i>	"Structural Steels in the 80's"	267
<i>PETERSON R.E.</i>	Stress concentration factors, ed. John Wiley & Sons, 1974	268
<i>PINNIE I./HELLER W.</i>	Creep of Engineering Materials "Plastic Buckling" Lockheed Research Laboratory	269
<i>POPOV E.</i>	"Engineering Mechanics"	270
	"Strength of Materials" Papers Collection	271
<i>PRESSURE VESSELS and PIPING</i>	Conferences PVP	272
<i>PVP vol.58</i>	Aspects of fracture mechanics in pressure vessels and piping	273
<i>PVP vol.85</i>	Computational Fracture Mechanics AMD and 3-D Problems,	274
<i>PVP vol.92</i>	"Advances Probabilistic Fracture Mechanics"	275
<i>PVP vol.98-1</i>	Residual-Life Assessment, Nondestructive Examination, Nuclear Heat Exchanger Materials"	276 277
<i>PVP vol.98-9</i>	"Piping, Feedwater Heater Operation, and Pumps"	278
<i>PVP vol.103 -</i>	Computational Fracture Assessment by Analysis and Testing	279
<i>PVP vol.265</i>	"Design Analysis Robust Methods, and Stress Classification"	280
<i>PVP vol.</i>	"Technology in a global society" 1993	281
<i>RATIU M.</i>	Engineering Elasto-Plastic Fracture Mechanics course	282
<i>RATIU M.,</i>	Service Life Extension Recirculation Piping.	283
<i>RATIU M.,</i>	Engineering Criteria Analysis Appraisal of Potential Fracture"	284
<i>RATIU M.,</i>	Power Plant Valves Life Extension	285
<i>RATIU M.</i>	"Failure Prevention Seminars" Diagnosis of : Corrosion , Fatigue Failures , Overload Fracture and Corrective Actions.	286
<i>RATIU M.</i>	"Design by Stress Analysis of Pressure Retaining Components": branch connection , torus spherical heads"	287
<i>RATIU M.</i>	Curved Structures and Pipes Strength Analysis	288
<i>RATIU M .</i>	Serviceability qualification reactor containment liner insert plate welds	289
<i>RATIU M.</i>	Suitability for steady - state vibrations of piping fillet welds – A fracture mechanics approach	290
<i>RATIU M.</i>	Protection against Nonductile Failure PANF Computer Program Program 1980 , version 1989	291 292
	Protection Nonductile Failure, papers collection	293
<i>RATIU M.</i>	Aplicarea conceptelor fiabiliste in calculele de rezistenta pentru constructia de masini	294
<i>RATIU M.</i>	Tanks Failure Modes and their Consequences	295
<i>RATIU M., MOISIDIS N.</i>	"Seismic Load Rating Procedure for Cold-Formed Steel Frame" Attachments Test Data Reports	296
<i>RATIU M., MOISIDIS N.T.</i>	Steel Containment Safety Qualification to a Post- Accident Overcooling Thermal Shock Event	297
<i>RATIU M., MOISIDIS N. ,</i>	Proceedings 7th International Conference Pressure Vessel Technology, Dusseldorf, Germany, vol.2, 1992	298
<i>RATIU M., MOISIDIS N</i>	Quality Assurance In-Situ Inspection Ultrasonic Hardness Testing , Nondestructive Testing Conference, Seattle, WA, 1996	299
<i>RATIU M., MOISIDIS N.,</i>	Elevated Temperature Tensile-Creep Strength	300

	Transactions ASME,118,4,1996 Attachments:	301
	<i>Booker M, Booker B</i> Fracture Toughness Properties Proceedings 4th National Congress,1983	302
	<i>Vassilaros M.a.o.</i> David Taylor Naval Ship Research Center, Report DTNSRCD/S83-101,1983	303
<i>RATIU M.,</i>	"Serviceability for Intermittent High Temperatures"	304
<i>RATIU M.</i>	Diagnosis Electrical Components Failures/Corrective Actions	305
<i>RATIU M.,</i>	Pumps Seismic Design; Pumps Operability Validation course	306
	Service Profile Computer solution of fluid problems LIQT -386	307
	Computer Aided Design Power Shaft Fatigue Analysis",papers	308
<i>RATIU M.,</i>	Stress Analysis Spent Nuclear Casks NUHOM	309
<i>RATIU M.,</i>	Anelastic Superficial Stress/Strain Analysis-Notch Stress/Strain	310
	References : <i>Petersen R.E.</i> Stress Concentration Factors	
	<i>Neuber R.</i> Nonlinear Stress /Strain Analyses	
RELIABILITY	Handbook NSC National semiconductor corporation vol.I	311
	"Probabilistic Fracture Mechanics" Papers Collection	312
	Failure Prevention and Reliability	313
<i>REDY J.</i>	"Finite Elements Methods"	314
<i>ROARK R., YOUNG W.</i>	Formulas for Stress and Strain, 1975	315
<i>ROBERTS J.T.ADRIAN</i>	Structural materials in nuclear power systems	316
<i>RODOBAUGH E.C., MOORE S.</i>	"Stress Indices for Girth Welded Joint including Radial Shrinkage, Mismatch ,Tapered-Wall Transitions	317
<i>RODOBAUGH E.C.</i>	"Functional Capability Criteria Essential MARK II-Piping General Electric- NEDO – 21985	318
<i>SAE J795</i>	HANDBOOK "Spring Design "	319
<i>SAI 001-PA</i>	"Analysis Relative Probability Pipe Rupture at Various Locations Primary Cooling Loop Pressurized Water Reactor Effects periodic Inspection	320
<i>SEISMIC PREPAREDNESS MAINTENANCE</i>	Earthquake Hazard Mitigation	321
<i>SEISMIC DESIGN</i>	manual, Duke Power Company; Nuclear generating stations vol.I - vol.II - vol.III	322
<i>SEISMIC</i>	Qualification by Testing and Analysis papers collection	323
<i>SEISMIC MAINTENANCE</i>	Centrala Nuclear Electrica CERNAVODA	324
"	Seismic Qualification by Testing and Analysis" papers collection	325
<i>SHIGLEY J.E., MISCHKE C.R.</i>	Machine Design Fundamentals	326
<i>SHIGLEY J.E.</i>	Mechanical Engineering Design	327
<i>SHIGLEY J.E.,MISCHKE C.R.</i>	<i>GEARING</i> -Mechanical Designer's Workbook	328
<i>SHIGLEY J.E.,MISCHKE C.R.</i>	Distortion and Stress	329
<i>SHOEMAKER A.K., ROLFE S.T.</i>	Static/ dynamic low-temperature Kic of steels	330
<i>SMITH PAUL</i>	Piping and pipe support systems	331
<i>SOBEL L.H.</i>	Non-linear Bending Collapse Analyses Pocked Cilinder, PVP 76	332
<i>SOCIAL STYLE SALES STRATEGIES</i>	(2 vol.)	333
<i>TADA H.; PARIS P.</i>	The stress analysis of cracks handbook ed.a2-a, 1985	334
<i>TAYLOR W.</i>	"Artificial Intelligence", 1990	335
<i>TIMOSHENKO S.</i>	.Istoria Rezistentei Materialelor, limba rusa, Moscova 1957	336
<i>TIMOSCHENKO P., WOINOWSKY-KRIEGER</i>	"Theory of Plates and Shells"	337
<i>TIMOSHENKO, YOUNG, WEAVER M.</i>	Vibration Problems in Engineering	338

<i>TIMOSHENKO S.P.; GOODIER J.N.</i> Theory of Elasticity .Mc. Graw-Hill Third Edition, New-York, 1970	339
<i>TIMOSHENKO S.P.</i> As „I remember, van Nostrand 1968	340
<i>UGURAL & FENSTER</i> Advanced Strength and Applied Elasticity	341
<i>UGURAL A.</i> Stresses in Plates and Shells	342
<i>WELDING RESEARCH COUNCIL</i> WRC Bulletins vol.1; 2; 3 Publication Catalog 1993,	343
Progress reports - vol.XLV no.7/8 p.9/11	344
<u>Convolut 1</u> "PRESSURE VESSEL DESIGN <i>Bulletin 107</i> Local Sresses in Cylindrical Shell due to External Loadings on Nozzles, K.B.Wichman , A.G.Hopper, I.Mershon, 1965,	345
revision 1979	346
<i>Bulletin 297</i> Supplement to WRC 107 by J.L.Mershon ,K.Mokhtanan, G.V.Ranjan, E.C.Rodabaugh 1984, rev..1987.	347
<i>Bulletin 254</i> (1)A Critical Evaluation of Plastic Behavior Data- Unified Definition Plastic Loads Pressure Components,J.C.Gerdeen	348
(2) Interpretive Report on Limit Analysis and Plastic Behavior of Piping by E.C. Rodabaugh	349
(3) Interpretive Report Limit Analysis Flat Circular Plate , by W.J.O'Donnell	350
<i>Bulletin 308</i> Verification and Application inelastic Analysis Method for LMFBR Piping System, by H.D.Hibbit , E.K.Leung	351
<i>Bulletin 314</i> Bolted Flange Connections with Full Face Gasket, by A.E. Blach, A.Bazergui and R.Baldur	352
<i>Bulletin 325</i> Further Gasket Leakage Behavior Trends, by A.Bazergui ,and H.D.Raut	353
<u>Convolut 2</u> " PIPING AND COMPONENTS DESIGN"	
<i>Bulletin 153</i> (1) Interpretative Report on Oblique Nozzle Connection in Pressure Vessel Heads&Shells Integral Pressure Loadingt, J.L.Mershon	354
(2) Elastic Stresses Near a Skewed Hole in a Flat Plate and Application Oblique Nozzle Attachments inShells, F.Ellyin	355
(3) Photoelastic Determination of Stresses at Oblique Openings in Plates and Shells, by M.M.Leven;1970	356
(4) A Photoelastic Analysis Oblique Cylinder Intersections Subjected to Internal Pressure, by R.Filder, August1970.	357
<i>Bulletin 179</i> Stress Indices and Flexibility Factors for Moment Loadings on Elbows and Curved Pipe, by W.G.Dodge and S.E.Moore, December 1972	358
<i>Bulletin 200</i> Analysis Test Data Branch Connections Exposed Internal Pressure and/or External Couples,by J.Schroeder, K.R.Snnivasaiah, P.Graham, November 1974.	359
<i>Bulletin 230</i> (1) An Experimental Study of Elasto-Plastic Response of Branch-Pipe Tee Connections Subjected to Internal Pressure, External Couples,Combined Loads by F.Ellyn	360
(2) CollapsTest Thin-Walled Cylindrical Pressure Vessel Radially Attached Nozzle,R.L.Maxwell,R. W.Holland,1980	361

<i>Bulletin 256</i>	Review Data Relevant to the Design of Tubular Joints for Use in Fixed Offshore Platforms, by E.C.Rodabaugh, 1980	362
<i>Bulletin 300</i>	(1) Technical Position on Criteria Establishment	363
	(2) Technical Position Damping Values for Piping-Report	364
	(3) Technical Position on Response Spectra Broadening;	365
	(4) Technical Position on Industry Practice, December 1984	366
<i>Bulletin 316</i>	(1) Technical Position Piping System Installation Tolerances, by E.B.Brauch, N.Kalyanam, D.F.Landers, E.O.Swain, D.A. Duyne	367
	(2) Technical Position Damping Values Insulated Pipe, by J.L.Bitner, S.N.Ho, W.Kagay, J.O'Brien, July 1986 p.10/11	368
<i>Bulletin 317</i>	PVRC Centrifugal Pump-Piping Interaction Experience Survey, by J.R.Payne, August 1986	369
<i>Bulletin 350</i>	Design Criteria Dissimilar Metals Welds, R.Ryder, C.Dahms	370
<i>Bulletin 351</i>	(1) An Analytical Comparison Short Crack and Deep Crack CTOD Fracture Specimens of A36 Steel, W.A.Sorem, R.H. Dodds, Jr., S.T.Rolfe	371
	(2) The Effects Crack Depth on Elastic-Plastic CTOD Fracture Toughness by W.A.Sore, S.T.Rolfe and R.H.Dodds, Jr.	372
	(3) Comparison J-Integral and CTOD Parameters Short Crack Specimen Testing, W.A.Sorem, R.H. , S.T.Rolfe, 1990	373
<i>Convolut 3</i>	"TESTING and DAMAGES"	
<i>Bulletin 280</i>	"The V restraint Test, by C.D.Lundin, A.Lingenfelter, G.E.Grotke, G.G.Lessmann and S.J.Matthews, August 1982	374
<i>Bulletin 288</i>	Fracture Pipelines Cylinders Containing Circumferential Crack, by F.Erdogan and H.Ezzat October 1983	375
<i>Bulletin 289</i>	Hot Cracking Susceptibility of Austenitic Stainless Steel Weld Metals, by C.D.Lundin and C.P.D.Chou, 1983	376
<i>Bulletin 291</i>	Fracture Pressure Vessels up to 2 1/2 inches Thick, by P.O.Metz, June 1983	377
<i>Bulletin 295</i>	Fundamentals Weld Discontinuities Their Significance by Lundin C.D., June 1984	378
<i>Bulletin 296</i>	Fitness-for-Service Criteria Pipeline Girth Weld Quality, R.P.Reed, M.B.Kasen, H.I.McHenry, C.M.Fortunko, D.T. Read, 1984	379
<i>Bulletin 299</i>	(1) Engineering Aspects CTOD Fracture Toughness Testing, by G.W.Wellman, S.T.Rolfe;	380
	(2) Three-Dimensional Elastic-Plastic Finite Element Analysis Three Point Bend Specimen, G.W.Wellman, S.T.Rolfe, R.H.Dodds	381
	(3) Failure Prediction Notched Pressure Vessels Using CTOD Approach, G.W.Wellman, S.T.Rolfe, R.H.Dodds 1984	382
<i>Bulletin 310</i>	Damage Studies Pressure Vessel Components, by F.A. Leckie, Dec. 1985	383
<i>Bulletin 345</i>	Assessing Fracture Toughness-Cracking Susceptibility Steel Weldments, J.A.Davidson, P.J.Konkol, J.F.Sovak Review 1989	384
<i>Journal Pressure Vessel Technology</i>	vol.110 nr.4, nov.1988	385
<i>VATTPACK</i>	Program Documents Review/approval	386
<i>VISWANATHAN R</i>	.Damage Mechanisms & Life Assessment High Temperature	387

<i>WILHELM DAVID</i>	Fracture Mechanics Guidelines Aircraft Structures	388
	Engineering criteria & analysis methodology appraisal of potential fracture resistant primary aircraft structure 1969; sept.1972	
<i>YAGAWA T.G.</i>	Theoretical and Experimental Analysis of Semielliptical Surface Cracks Subject to Thermal Shock	389
<i>ZAPPE</i>	"Valve Selection Handbook	390
	7-th Congress material testing, Budapest oct.1978 lectures, ,vol.II	391
	"Proceedings 2nd International Conference Non-linear Mechanics"1993	392
	Who's who in Technology TM (5th Edition) volume 2	393
	Prezentari biografice Mircea D.Ratiu	394
	Non Destructive Testing/Products Systems Services	395