

Please send this report to the Secretary of the European Mechanics Council, Professor Bengt Lundberg, Dept of Mechanical Engineering, Luleå University of Technology, S-951 87 Luleå, Sweden, one month after the Colloquium

General

Euromech Colloquium No: 291
Title: Macro and Micromechanical Aspects of Fracture
Chairmen: Prof. L.I. Slepyan (Russia), Prof. J.F. Kalthoff (Germany)
Place and country: St-Petersburg, Russia
Dates: 23-27 June 1992

Finance

The conference fee 150 \$ included _____
Funding: _____
Accommodation (type and cost): _____
Meals: _____ } 30 \$ per person for a day

Participation

Total number of participants: 43 Distribution of participants by country:

Code	Country	Number	Code	Country	Number
A	Austria	<u>1</u>	I	Italy	_____
B	Belgium	_____	IRL	Ireland	_____
BG	Bulgaria	_____	N	Norway	_____
CH	Switzerland	_____	NL	Netherlands	_____
CS	Czechoslovakia	_____	P	Portugal	_____
D	Germany	<u>1</u>	PL	Poland	_____
DK	Denmark	_____	R	Rumania	_____
E	Spain	_____	S	Sweden	_____
F	France	<u>2</u>	SF	Finland	_____
GB	Great Britain	_____	YU	Yugoslavia	_____
GR	Greece	_____	SU	Soviet Union <u>Russia</u>	<u>32</u>
H	Hungary	_____	-	Others	<u>7</u>

(Israel-2, Mexico-1, Ukraine-3, Estonia-1)

Is there need of another colloquium on the same subject? Which year? Yes, 1995

Scientific Report

The following scientific topics have been discussed at the Colloquium :

FRACTURE DYNAMICS;
MULTISCALE FRACTURE AND LATTICE MODELS;
NEW EXPERIMENTAL METHODS IN FRACTURE MECHANICS;
FRACTURE UNDER COMPRESSION. FRACTURE OF NATURAL MEDIA;
DAMAGE THEORY AND LOCALIZATION OF DEFORMATION AND FRACTURE;
MACROCRACKS PROBLEMS;
NON-LINEAR AND RHEOLOGICAL MODELS OF FRACTURE;
CRITERIA OF FRACTURE;
SPECIAL PROBLEMS OF MACRO- AND MICROMECHANICS OF FRACTURE.

The number of participants from foreign countries is eleven.

The colloquium has been financially supported by Marine Technical University of St.-Petersburg.

The topics discussed at the colloquium are very important and up-to-date. They are investigated at many scientific centers in the world.

It should be useful to organize the next colloquium on the same subject in 1995.

Please use additional pages if needed and sign at the end.

Macro- and micromechanical aspects of fracture

State Marine Technical University,
St.Petersburg,
Institute for Problems of Mechanical
Engineering of Russian Academy of
Sciences, St.Petersburg
Institute for Problems of Mechanical of
Russian Academy of Sciences, Moscow

June, 23-27, 1992

CHAIRMEN:

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