

Second EAGE Workshop on Assessment of Landslide Hazards and Impact on Communities

Kiev, Ukraine
8 - 11 September 2020

ISBN: 978-1-7138-2978-2

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2020) by the European Association of Geoscientists & Engineers (EAGE)
All rights reserved.

Printed with permission by Curran Associates, Inc. (2022)

For permission requests, please contact by the European Association of Geoscientists & Engineers (EAGE)
at the address below.

European Association of Geoscientists & Engineers (EAGE)
PO Box 59
3990 DB Houten
The Netherlands

Phone: +31 88 995 5055
Fax: +31 30 634 3524

eage@eage.org

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2633
Email: curran@proceedings.com
Web: www.proceedings.com

TABLE OF CONTENTS

EVALUATING NATURAL HAZARDS IN UKRAINE: THE RISK ASSESSMENT ON GOLD DEPOSITS AND AREAS OF GOLD ORE OCCURRENCES	1
<i>O.M. Ivanik, V.O. Iemelianov</i>	
LANDSLIDE HAZARD ASSESSMENT AND FORECAST OF LANDSLIDES WITHIN TERRITORIES OF THE SOUTHWESTERN OUTSKIRTS OF THE EAST EUROPEAN PLATFORM, THE PRE-CARPATHIAN DEFLECTION AND THE CARPATHIAN REGION OF UKRAINE	6
<i>H. Rudko</i>	
DEVELOPMENT AND EVOLUTION OF LANDSLIDES FORMED IN NEOGENE CLAY	11
<i>N. Kosheleva, Y. Slyusarenko, N. Marienkov, V. Gluhovskii, Y. Ischenko</i>	
APPLICATION OF GEOPHYSICAL METHODS FOR MONITORING OF LANDSLIDE HAZARDS: CASE STUDY FROM GLYNKA LAKE (KYIV, UKRAINE)	16
<i>O. Ivanik, O. Shabaturova, K. Hadiatska, A. Chernov, D. Kravchenko, R. Khomenko</i>	
STUDY OF STRUCTURAL-GEOLOGICAL CONDITIONS OF LANDSLIDE PROCESSES FORMING AND DEVELOPMENT OF AN EXAMPLE OF ODESA PORTSIDE PLANT TERRITORY (UKRAINE)	22
<i>E.A. Cherkez, T.V. Kozlova, V.I. Medinets, V.M. Mytynskyy, S.V. Medinets, I.E. Soltys</i>	
PRELIMINARY RESULTS OF CHANGES IN THE MARINE-TERMINATING PART OF TROOZ GLACIER (WEST ANTARCTICA) DURING 2001–2020	27
<i>K. Marusazh, I. Savchyn, V. Lozynskiy, Y. Petryk</i>	
STUDYING THE DYNAMICS OF TECHNOGENIC CHANGES IN WATER OBJECTS OF THE SOUTH KRYVBASES WITH THE COMPLEX OF REMOTE METHODS	32
<i>P. Pigulevskiy, V. Svistun</i>	
ENGINEERING AND GEODYNAMICS CONDITIONS OF ECONOMIC DEVELOPMENT AND CONSTRUCTION ON LANDSLIDE SLOPES IN ODESA COAST	37
<i>E.A. Cherkez, T.V. Kozlova, V.I. Medinets, I.E. Soltys, S.V. Medinets</i>	
MATERIAL POINT METHOD MODELLING OF CASCADING EFFECTS OF FLOW-LIKE LANDSLIDES	42
<i>S. Cuomo</i>	
RECONSTRUCTION OF THE GEOMORPHOSYSTEM OF THE UPPER REACHES OF THE CHORNA TYSA RIVER BASIN DUE TO THE ACTION OF NATURAL AND NATURAL-ANTHROPOGENIC FACTORS	47
<i>A. Komliev, S. Zhylkin, O. Kovtoniuk, T. Lavruk, Yu. Filonenko</i>	
ENVIRONMENTAL CONSEQUENCES OF THE CREATION OF ANTI-LANDSLIDE COASTAL PROTECTION STRUCTURES IN THE COASTAL ZONES OF SEA AREAS (ON THE EXAMPLE OF THE ODESSA COAST)	52
<i>N. Fedoronchuk</i>	
TELCEKER LANDSLIDES; MASS FLOW MORPHOLOGY AND SEISMOTECTONIC INFLUENCES ON HAZARD MITIGATION. DOGUBAYAZIT. AGRI, EASTERN TURKEY	58
<i>Mehmet Salih Bayraktutan</i>	

INTERRELATION BETWEEN MESOSTRUCTURES AND SMALL LANDSLIDES ON THE EXAMPLE OF PISTYNKA RIVER VALLEY	62
<i>Younis Abdulgader Awad Abduljawad, V. Lukomskiy, O. Biletskiy, D. Andreev, D. Kravchenko</i>	
GEODYNAMICS AND GEOHAZARDS IN THE MIDDLE DNIEPER REGION (UKRAINE)	68
<i>V.V. Shevchuk, O.M. Ivanik, L.V. Tustanovska, D.V. Kravchenko, K.P. Hadiatska, A. Tiukhtei, S.T. Pikul</i>	
SOCIAL PERCEPTION OF THE LANDSLIDE HAZARDS BY RESIDENTS OF KYIV LANDSLIDE-PRONE AREAS	73
<i>O.O. Borovskiy, M.M. Bondarenko, A.E. Mazko</i>	
RISK ASSESSMENT OF LANDSLIDES AND DEBRIS FLOWS DURING THE CONSTRUCTION AND EXPLOITATION OF THE VOLOVETS WIND FARM IN THE WESTERN PART OF THE POLONINA BORZHAVA (ZAKARPATTIA REGION, UKRAINE)	78
<i>M. Yaremovich</i>	
NATURAL AND MAN-INDUCED LANDSLIDES FORMATION FACTORS WITHIN THE TYSYA-APSHYTSIA INTERFLUVE (TRANSCARPATIA, UKRAINE)	83
<i>S.B. Shekhunova, M.V. Aleksieienkova, T.V. Kril, S.M. Stadnichenko, N.P. Siumar</i>	
SOIL EROSION MAGNETIC MEASUREMENTS AS A TOOL FOR LANDSLIDES STUDIES	89
<i>O. Menshov, O. Kruglov, P. Nazarok, O. Andreeva, B. Kruhlov</i>	

Author Index