

DEBRIS FLOWS: DISASTERS, RISK, FORECAST, PROTECTION

5th International Conference. Tbilisi, Georgia, 1-5 October 2018

СЕЛЕВЫЕ ПОТОКИ: КАТАСТРОФЫ, РИСК, ПРОГНОЗ, ЗАЩИТА

5-я международная конференция. Тбилиси, Грузия, 1-5 октября 2018 г.

ღვარცოფები: კატასტროფები, რისკი, პროგნოზი, დაცვა

მე-5 საერთაშორისო კონფერენციის. თბილისი, საქართველო, 1-5 ოქტომბერი, 2018



Programme of the conference

**Программа
конференции**

**კონფერენციის
პროგრამა**



Conference location

Administrative building of the Georgian Technical University, 77 Merab Kostava St., Tbilisi, Georgia (<http://gtu.ge/Eng/>)



Tbilisi City. View from Narikala Fortress.



Georgian Technical University.
Administrative building



<https://binged.it/2NUVmnO>

The conference will be held on the second floor in the large conference hall (LCH) and conference room (CR).

The Exhibition and Poster session will be held in the foyer in front of the conference hall.



Sessions and conveners

OCTOBER 1, 2018			
8:00-9:00	Registration of participants		Foyer
9:00-9:45	Opening Ceremony. Greetings		LCH
09:45-11:15	A1. Plenary session	Gavardashvili G., Chernomorets S.	LCH
11:15-13:00	A2. Debris flow risk reduction: from science to practice and international collaboration	Tovmasyan K., Gaprindashvili G.	LCH
14:30-16:00	A3. Debris flows and climate	Jomelli V., Yafyazova R.	LCH
16:15-18:00	A4. Debris flow disasters	Wei F., Garankina E.	LCH
18:00-19:00	Concert for participants of the conference		LCH
OCTOBER 2, 2018			
09:00-11:00	B1. Debris flow mitigation and monitoring	Strom A.	LCH
09:00-11:00	B2. Debris flow hazard assessment	Shnyparkov A., Kadetova A.	CR
11:15-13:00	B3. Modelling of debris flows and floods	Bartelt P., Kidyayeva V.	CR
11:15-13:00	B4. Debris flow formation in different conditions	Talanov E., Kozireva E.	LCH
14:30-15:45	B5. Regional analysis of debris flows	Sokratov S., Pryakhina G.	LCH
16:00-17:30	B6. Where will disaster happen next? Modelling future lakes for risk management and decision-making	Shahgedanova M., Kapitsa V.	LCH
17:30-18:15	B7. Poster session		Foyer
17:30-18:30	B8. Meeting for members of the Presidium of the Debris Flow Association and of the Organizing Committee		LCH
19:00	Gala-Dinner		
OCTOBER 3, 2018			
09:00-09:15	Special announcement	Husani H., Bobov R., Chernoimoret S.	LCH
9:15-11:00	C.1 methods and results of debris flow investigations	Ranova S.	LCH
11:15-13:00	C2. Methods and results of debris flow investigations	Kazakov N., Vinogradova T.	LCH
14:30-16:00	C3. Methods and results of debris flow investigations	Kalov R.	LCH
16:00-17:00	Discussion and resolution	Chernomorets S., Gavardashvili G.	LCH
17:00-17:30	Closing Ceremony		LCH

Exhibitions (October 1, 2, 3)

IBTP Koschuch e.U.
Geobrugg AG
Geo-Barrier
Caucasus Road Project



Sessions schedule

Last name	First name	Title of presentation
OCTOBER 1, 2018		
REGISTRATION OF PARTICIPANTS		
OPENING CEREMONY: Greetings <i>Prangishvili A., Khutsishvili S., Jomelli V., Tovmasyan K., Chernomorets S., Wei F., Solomina O., Bekkiev M., Tokmajyan O.</i>		
A1. PLENARY SESSION Conveners: Gavardashvili G., Chernomorets S. 09:45-11:15		
Blagovechshenskiy	Victor	The debris flows automated monitoring system project in Ile Alatau <i>Medeu A., Blagovechshenskiy V., Askarova M., Gulyaeva T., Ranova S.</i>
Gavardashvili	Givi	Hydraulic calculation of anti-mudflow structure with a bottom grating to extinguish the kinetic energy of non-cohesive debris flow to transform it into an ordinary silt-carrying flow <i>Natishvili O., Gavardashvili G.</i>
Fuchs	Sven	Impact forces of torrential floods on exposed buildings <i>Fuchs S., Sturm M., Keller F., Mazzorana B., Papathoma-Köhle M., Aufleger M., Gems B.</i>
COFFEE BREAK 10:53-11:15		
A2. DEBRIS FLOW RISK REDUCTION: FROM SCIENCE TO PRACTICE AND INTERNATIONAL COLLABORATION Conveners: Tovmasyan K., Gaprindashvili G. 11:15-13:00		
Tovmasyan	Kristine	Using science for disaster risk reduction and enhanced international cooperation: gaps and challenges <i>Tovmasyan K.</i>
Strom	Alexandr	A roadmap for cooperation on slope process-related disaster in Central Asia <i>Strom A.</i>
Gaprindashvili G.	George	Geocological condition of Tbilisi city and debris/mudflow hazard risk <i>Tsereteli E., Gaprindashvili G., Gaprindashvili M., Kurtsikidze O.</i>
Su	Fenghuan	Debris flow hazards along the China-Pakistan highway in Xinjiang territory <i>Su F., Ge Y.</i>
Kayumov	Abdulhamid	Prospects and ways of cooperation on the study of breakthrough glacial lakes and the development of adaptation measures to reduce damage at the national and regional levels <i>Kayumov A.</i>
Zinevich	Yuriy	Designing and building of mudflow protection dams in Kazakhstan. The present stage 2008-2018 <i>Bakarasova T., Zinevich Yu., Khozhanazarov Ye.</i>
GROUP PHOTO 01.10.2018 13:00-13:15		
LUNCH BREAK 13:15-14:30		



Last name	First name	Title of presentation
OCTOBER 1, 2018		
A3. DEBRIS FLOWS AND CLIMATE Conveners: Jomelli V., Yafyazova R. 14:30-16:00		
Jomelli	Vincent	Respective influence of environmental and climate conditions on debris-flow occurrence in the northern French Alps <i>Jomelli V., Eckert N., Pavlova I., Giacoma F.</i>
Sokratov	Sergey	The debris flow risk in Russia in the middle and the end of the XXI century <i>Sokratov S., Derkacheva A., Khismatullin T., Shnyparkov A.</i>
Li	Yumei	The meteorological warning method of China geological disasters induced by precipitation <i>Li Yu., Li W., Di J., Zhang G., Bao H.</i>
Seinova	Irina	The approbation of debris flows forecast methodology for the glacial region of Central Caucasus <i>Seinova I., Andreev Y., Krylenko I., Bogachenko E., Feoktistova I.</i>
Nikolova	Nina	Possible impact of climate and weather condition on debris flows occurrence (on the example of Kresna gorge, Bulgaria) <i>Nikolova N., Rachev G., Kenderova R.</i>
COFFEE BREAK 16:00-16:15		
A4. DEBRIS FLOW DISASTERS Conveners: Wei F., Garankina E. 16:15-18:00		
Genevois	Rinaldo	The debris flow generated by the Stava (Northern Italy) tailing pond dam break <i>Genevois R., Tecca P.</i>
Keilig	Klaus	Geological and geotechnical findings of the catastrophic debris flow near Tskneti, Georgia, June 2015 <i>Neumann P., Bauer M., Haidn M., Keilig K., Menabde Z., Dumbadze D.</i>
Hu	Kaiheng	Potential danger of dammed lakes induced by the 2017 Ms6.9 Milin earthquake in the Tsangpo gorge. <i>Hu K., Zhang X., Tang J., Liu W.</i>
Petrakov	Dmitry	The outburst of Bashkara glacier lake (Central Caucasus, Russia) on September 1, 2017 <i>Chernomorets, S., Petrakov D., Aleynikov A., Bekkiev M., Viskhadzhieva, K., Dokukin M., Kalov R., Kidyayeva V., Krylenko V., Krylenko I., Krylenko I., Rets E., Savernyuk E., Smirnov A.</i>
Garankina	Ekaterina	Geomorphic and dendroecological affects of 2017 debris flow in the Sengisook Valley, Western Lovozerskiye Tundry, Northwestern Russia <i>Garankina E., Belyaev V., Bondar A., Romanenko F., Rudinskaya A., Shishkina Y.</i>
Concert of the choir and dance group of the Georgian Technical University for participants of the conference 18:00-19:00		



Last name	First name	Title of presentation
OCTOBER 2, 2018		
B1. DEBRIS FLOW MITIGATION AND MONITORING Convener: Strom A. 09:00-11:00		
Matsiy	Sergey	Debris flow risk assessment and management <i>Matsiy S., Sukhlyayeva L., Lesnoy V.</i>
Koschuch	Richard	Pulse-doppler RADAR-system for Alpine mass movement monitoring <i>Koschuch R.</i>
Zhang	Shaojie	An experimental evaluation of impact force on a Fiber Bragg Grating-based device for warning dangerous level of debris flow <i>Zhang S., Chen J.</i>
Bogdanov	Ivan	Experience in the design and operation of mudflow and mudflow control structures at the facilities of the Western Caucasus <i>Bogdanov I., Aleksandrov P.</i>
Hofmann	Helen	Multi-level flexible debris flow barrier: case study in Peru <i>Wendeler C., Salzmann H., Feiger N., Hofmann H.</i>
Chen	Long	Discussion on the characteristics and calculation method of material source for the debris flow in Tian Mo Gully <i>Chen L., Wang J., Li Y., Jiu J., Shi S.</i>
Baljyan	Pargev	The prediction of surface position of sediments in the upper bay of mudflow protection structures <i>Baljyan P., Tokmajyan V., Baljyan V., Bayunts A.</i>
B2. DEBRIS FLOW HAZARD ASSESSMENT Conveners: Shnyparkov A., Kadetova A. 11:15-13:15		
Malneva	Irina	Use of space weather indicators for operational forecast of mudflows <i>Malneva I., Cherkesov A.</i>
Talanov	Yevgeniy	Climatology of debris-flow forming precipitation in Caucasus: hypotheses and facts <i>Talanov Ye.</i>
Kondratieva	Natalia	Comparative assessment of mudflow activity in the geographical regions of the North Caucasus (from east to west and from north to south): by type, genesis and volume of removals <i>Kondratieva N., Adzhiev A., Razumov V., Bekkiev M.</i>
Rybchenko	Artem	Formation conditions and hazard analysis of debris flows in the Tunka ridge, Siberia, Russia <i>Rybchenko A., Kadetova A., Kozireva E.</i>
Su	Pengcheng	Regional danger assessment of debris flow and its engineering mitigation practice in Sichuan-Tibet highway (section of Luding-Kangding) <i>Su P., Wei F., Sun Z., Li Y.</i>
Kuksina	Lyudmila	Lahar danger of rivers in the territory of active volcanism in Kamchatka, Russia <i>Kuksina L., Muravyev Ya., Marchenko E.</i>
Shafiev	Ganjalli	Analysis of the state of outburst lakes along the Gunt River valley in the South-Western Pamirs <i>Shafiev G.</i>
Petrushina	Marina	Landscape dynamics in the zone of debris flow release in 2017 in the Elbrus region <i>Petrushina M.</i>
COFFEE BREAK 11:00-11:15		



Last name	First name	Title of presentation
OCTOBER 2, 2018		
B3. MODELLING OF DEBRIS FLOWS AND FLOODS Conveners: Bartelt P., Kidyaeva V. 14:45-16:15		
Kurovskaya	Viktoriya	Modeling of unsteady water movement on the example of debris flows and flash floods <i>Kurovskaya V., Vinogradova T.</i>
Semakova	Eleonora	Remote sensing techniques and numerical simulation of debris flows in the Akhangaran and Tegermech rivers basins, using RAMMS software <i>Semakova E., Alimov Yo., Sichugova L., Semakov D., Graf C.</i>
Vinogradova	Tatyana	Calculation of the characteristics of catastrophic floods in the basins of the rivers of the Black Sea coast of the Krasnodar region <i>Vinogradova T., Makarieva O.M., Vinogradov A., Nesterova N.</i>
Gergokova	Zaina	The debris flow speed determining methods <i>Sherkhov A., Gegiev K., Gergokova Z.</i>
Sokolova	Daria	Assessment of dynamic characteristics of debris flow <i>Sokolova D.P., Vinogradova T.A., Ostashov A.A.</i>
Kidyaeva	Vera	Modelling of the 1st September 2017 Bashkara lakes outburst <i>Kidyaeva V., Petrakov D., Chernomorets S., Krylenko I., Aleynikov A., Stoffel M., Graf C.</i>
B4. DEBRIS FLOW FORMATION IN DIFFERENT CONDITIONS Conveners: Talanov E., Kozireva E. 11:15-13:00		
Rudinskaya	Anna	Debris flow phenomena in the Lovozerskiye Tundry <i>Rudinskaya A., Belyaev Y., Gurinov A., Garankina E.</i>
Zhang	Jiajia	Conditions and mechanism for formation of glacial debris flows in Parlung Zangbo, SE Tibetan Plateau <i>Zhang J., Liu J., Li Y., Wang J., Chen L., Gao B.</i>
Tokmajyan	Hovhannes	About the methodology of assessment of damage caused by mudflow action <i>Markosyan A., Tokmajyan H., Hayrapetyan V., Ivanyan G.</i>
Kazakov	Nikolay	Phase transformations in debris flow geosystem <i>Kazakov N.</i>
Kherkheulidze	Georgi	Traditions of mudflow studies in the Institute of Hydrometeorology of Georgian Technical University (assessments, prospects) <i>Kherkheulidze G.</i>
Karavaev	Vadim	Debris flow activity on the northern slope of the greater Caucasus and morphometry of relief <i>Karavaev V., Seminozhenko S.</i>
Ayrapetyan	Vrezh	Features of the formation of river-bed for the Tartar River <i>Tokmajyan O., Sarkisyan V., Ayrapetyan V., Eroyan E.</i>
Malneva	Irina	Modern problems of forecasting mudslides in Georgia and in adjacent territories <i>Malneva I., Kononova N.</i>
LUNCH BREAK 13:15-14:30		
B5. REGIONAL ANALYSIS OF DEBRIS FLOWS Conveners: Sokratov S., Pryakhina G. 14:30-15:45		
Kovalenko	Nikolay	Fast changes of the source area of catastrophic debris flows in Kolka Glacier cirque (Central Caucasus) <i>Kovalenko N., Aristov K., Petrakov D., Kolchin A., Timonin S.</i>
Bartelt	Perry	Thermomechanical analysis of a large rock/ice avalanche to resolve the cause of subsequent debris flows <i>Bartelt P., Buser O.</i>



Last name	First name	Title of presentation
OCTOBER 2, 2018		
Popov	Sergey	Dangerous hydrological phenomenas near the infrastructure of the “Progress” station, East Antarctica, in 2017-2018 <i>Popov S., Boroniva A., Pryakhina G.</i>
Chernous	Pavel	Slushflow release forecasting <i>Chernous P., Volkov A., Sokolova D.</i>
Shnyparkov	Alexandr	Debris flow hazard for the transport communications of the Eastern Siberia and the Far East <i>Shnyparkov A., Derkacheva A., Khismatullin T., Sokratov S.</i>
Zelepukina	Yelena	Prerequisite for enhanced mudflow activity in West Sayan Mountains <i>Zelepukina E., Pryakhina G., Gavrilkina S.</i>
COFFEE BREAK 15:45-16:00		
B6. WHERE NEXT? MODELLING FUTURE LAKES FOR RISK MANAGEMENT AND DECISION-MAKING Convener: Shakhgedanova M. 16:00-17:30		
Shahgedanova	Maria	Projections of the development of future glacial lakes in Central Asia and in the Caucasus using GlabTop2 model <i>Kapitsa V., Shahgedanova M., Machguth H., Severskiy I., Medeu A.</i>
Kapitsa	Vasiliy	Discussion in groups using examples from different regions and focusing on data transfer to stakeholders and its implementation in practice



Last name	First name	Title of presentation
OCTOBER 2, 2018		
B7. POSTER SESSION 17:30-18:15		
Dekayir	Abdelilah	Geomorphological and geological analysis of Akchour landslide in Rif Mountain, Morocco <i>Harmouzi H., Dekayir A., Rouai M.</i>
Frühwirth	Sandra	Debris flow simulation from hazard events near Akhaldaba <i>Frühwirth S., Otto J.-C., Haidn M.</i>
Haidn	Markus	Geological and geotechnical findings of the catastrophic debris flow near Tskneti, Georgia, June 2015 <i>Neumann P., Bauer M., Haidn M., Keilig K., Menabde Z., Dumbadze D.</i>
Keilig	Klaus	How to effectively monitor geomorphic changes in debris flow channels <i>Keilig K., Dietrich A., Krautblatter M.</i>
Nagl	Georg	Monitoring barrier for debris flow/structure/ground interaction <i>Nagl G., Kaitna R., Hübl J.</i>
Raimbekov	Yusuf	The results of the bathymetric studies of the outbursting lakes in the area of Gorno Badakhshan Autonomous Oblast, Tajikistan <i>Raimbekov Y., Pirmamadov U., Marodaseynov F., Zikilobekov I., Gulomaydarov A., Bobov R., Chernomoretz S., Savernyuk E., Kidyaeva V.</i>
Schimmel	Andreas	Automatic identification of debris flows by a combination of seismic and infrasound signals <i>Schimmel A., Hübl J.</i>
Tielidze	Levan	Rock-Ice Flows History onto Devdoraki Glacier, Georgian Caucasus <i>Tielidze L., Kumladze R., Wheate R., Gamkrelidze M.</i>
Yefremov	Yuriy	Actions for protection of infrastructure against mudflows of Western Caucasus (in the Lagonaki Highlands) <i>Efremov Yu., Shulyakov D.</i>
Khismatullin	Timur	Debris flows on the Matua Island <i>Khismatullin T., Shnyparkov A.</i>
Bobrova	Darya	The role of the debris flow pass construction in mouth part of debris flow rivers of Sakhalin Island <i>Kazakova E., Bobrova D.</i>
Fan	Jianrong	Assessment and analysis of the freeze-thaw erosion sensitivity in the Tibet of China <i>Fan J., An. C.</i>
Kazakova	Ekaterina	Debris flow engineering protection on Sakhalin Island <i>Kazakova E., Kazakov N., Gensiorovskiy Yu.</i>
Rybalchenko	Svetlana	An integrated approach to the creation of the engineering protection against debris flow processes on marine terraces of the Sakhalin island <i>Rybalchenko S., Verkhovov K.</i>
		The difference of slope debris flows from other exogenous processes <i>Rybalchenko S., Verkhovov K.</i>
		The motion of the solid phase in a turbulent debris flow <i>Verkhovov K., Rybalchenko S.</i>
Xie	Hong	Engineering control of debris flow in Luding County New Town, Hengduan Mountains Area, China <i>Xie H., Li Y., Wang S., Zhang J., Yu B.</i>
Kenderova	Rossitza	Analysis of debris flows by application of GIS and remote sensing: case study of western foothills of Pirin Mountains (Bulgaria) <i>Baltakova A., Nikolova V., Kenderova R., Hristova N.</i>
Kotenko	Tatiana	The 4 September 2017 rain mudflows in the northern part of Paramushir Island, the Kuril Islands <i>Kotenko T., Kotenko L.</i>



Last name	First name	Title of presentation
OCTOBER 2, 2018		
Raimbekov	Yusuf	Results of bathymetric surveys for outburst-hazardous lakes in Gorno-Badakhshan Autonomous Region, Tajikistan <i>Pirmamadov U., Raimbekov Y., Marodasenov F., Zikillobekov I., Gulomaidarov A., Bobov R., Chernomorets S., Kidyaeva V., Savernyuk E.</i>
Savernyuk	Elena	The Devdorak ice-rock avalanche and consequent debris flow from the slope of Mt. Kazbek (Caucasus, Georgia) in 2014 <i>Chernomorets S., Savernyuk E., Petrakov D., Dokukin M., Gotsiridze G., Gavardashvili G., Drobyshev V., Tutubalina O., Zaporozhchenko E., Kamenev N., Kamenev V., Käab A., Kargel J., Huggel C.</i>
B8. MEETING FOR MEMBERS OF THE PRESIDIUM OF DEBRIS FLOW ASSOCIATION AND OF THE ORGANIZING COMMITTEE 17:30-18:30		
GALA-DINNER 19:00		

Last name	First name	Title of presentation
OCTOBER 3, 2018		
Husani Bobov	Hadi Ruslan	Special announcement 09:00-09:15
C.1 METHODS AND RESULTS OF DEBRIS FLOW INVESTIGATIONS Convener: Ranova S. 9:15-11:00		
Nanitashvili	Manana	Origin and classification of debris flows <i>Nanitashvili M., Gurgenzidze D., Inashvili I.</i>
Rouai	Mohamed	On power-law size distributions of landslides <i>Rouai M., El Kharim Y.</i>
Boynagryan	Vladimir	Risk of debris flow forming in Armenia <i>Boynagryan V.R.</i>
Supatashvili	Tamriko	Forecasting colloidal fractions value transported by floods on the example of Duruji Basin <i>Supatashvili T., Kupreishvili Sh., Sichinava P., Shavlakadze M., Dadiani K., Kiknadze K., Maisaia I.</i>
Nepop	Roman	Debris flows in mountain framing of the Boguty depression, SE Altai: analysis of the landscape climatic factors and triggers <i>Nepop R., Agatova A.</i>
Nesterova	Natalia	Deterministic mathematical modeling method for estimation of instant water discharges at small mountain catchments (by the example of streams at the "Kolyma" federal highway) <i>Makarieva O., Nesterova N., Pashovkina A., Sokolova D.</i>
Stupin	Vladimir	Geoinformation system mapping of debris flow hazard <i>Stupin V.P., Plastinin L. A., Olzoev B. N., Kotelnikova N.V.</i>
COFFEE BREAK 11:00-11:15		
C2. METHODS AND RESULTS OF DEBRIS FLOW INVESTIGATIONS Conveners: Kazakov N., Vinogradova T. 11:15-13:00		



Last name	First name	Title of presentation
OCTOBER 3, 2018		
Garankina	Ekaterina	Debris flows as landsculpturing agent of modern valleys at the Kola peninsula low mountains, northwestern Russia <i>Garankina E., Belyaev V., Belyaev Y., Gurinov A., Ivanov M., Kuzmenkova N., Romanenko F., Rudinskaya A., Surkov V., Tulyakov E.</i>
Strom	Alexandr	Reconstruction of debris floods caused by breach of the prehistoric rockslide dams in Central Asia and assessment of their parameters <i>Strom A.L., Zhirkevich A.N.</i>
Viskhadzhieva	Karina	Geomorphological conditions for the formation of outburst floods in the Tien Shan and Hindukush Mountains <i>Viskhadzhieva K., Chernomorets S., Savernyuk E., Dokukin M., Petrov M.</i>
Dokukin	Mikhail	Debris flows 14 and 15 August, 2017 in the basin of Gerhozhan-Su river (Central Caucasus): conditions and causes of formation, dynamics, consequences <i>Dokukin M., Anaev M., Bekkiev M., Bogachenko E., Zaporozhchenko E., Kalov R., Savernyuk E., Chernomorets S., Khadjiev M., Khatkutov A.</i>
Znamensky	Dimitry	Brazilian tropical residual soils as solid phase sources of mud and debris flows induced by heavy rains <i>Znamensky D.V.</i>
Romanenko	Fedor	Debris flows on the islands and coasts of the arctic seas <i>Romanenko F.</i>
LUNCH BREAK 13:00-14:30		
C3. METHODS AND RESULTS OF DEBRIS FLOW INVESTIGATIONS Conveners: Kalov R., Kondratieva N. 14:30-16:00		
Khismatullin	Timur	Debris flows on the Matua Island <i>Khismatullin T., Shnyparkov A.</i>
Kazakov	Nikolay	Multiple debrisflows in the lowlands of the Sakhalin Island: conditions and repeatability <i>Kazakov N.</i>
Fazylov	Ali	The debris flows hazard of the river Varzob Basin (Tajikistan) <i>Fazilov A., Niyazov J., Saidov M., Talanov E.</i>
Makarova	Marina	Mountain ecosystems of Zhupanovsky Volcano (Kamchatka Peninsula, Russia) and their transformation under the influence of eruptions in 2013-2017 <i>Makarova M., Dirksen V., Vladimirova N., Dirksen O.</i>
Lukashov	Andrey	Seismicity and debris flow relationship in Khibiny low mountains, Kola Peninsula, Russia <i>Lukashov A., Garankina E.</i>
COFFEE BREAK 15:45-16:00		
DISCUSSION AND RESOLUTION Conveners: Chernomorets S., Gavardashvili G. 16:00-17:00		
Awarding Fleishman medals to laureates CLOSING CEREMONY 17:00-17:30		



Field Workshop (October 4-5, 2018)

The field workshop will be held on October 4-5, 2018 in Kakheti region (Telavi and Kvareli) and along the Georgian Military Road (Kazbegi). Workshop will include two one-day trips, with the return to Tbilisi in the evening.

The air temperature in the mountains of Georgia in early October may vary from +10 to +25 degrees. The Organizing Committee recommends the participants of the workshop to wear trekking shoes or sneakers, and to have clothes in the case of both sunny and rainy weather.

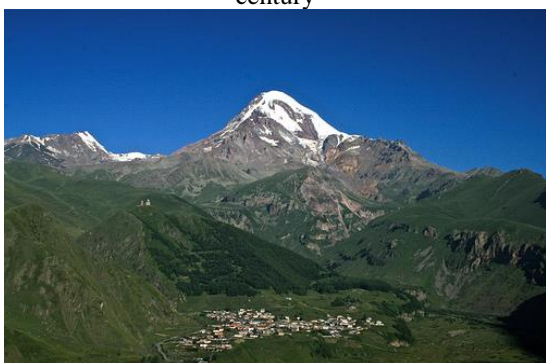
Buses will depart from the administrative building of GTU.



Kakheti region. St. George Cathedral (11th century) in Alaverdi Monastery established in 6th century



Protective dam destroyed by debris flows. Duruji River upstream of Kvareli town



Mt. Kazbek. Military Georgian Road area.



Debris flow catchments near Kvemo-Mleti village



Organizing committee of the Conference

Co-Chairmen of the Organizing Committee

Archil Prangishvili (Georgian Technical University, Georgia)

Givi Gavardashvili (Tsotne Mirtskhulava Water Management Institute of the Georgian Technical University, Georgia)

Sergey Chernomorets (Debris Flow Association and Lomonosov Moscow State University, Russia)

Vincent Jomelli (Laboratory of Physical Geography, CNRS and Pantheon-Sorbonne University Paris 1, France)

Fangqiang Wei (Institute of Mountain Hazards and Environment, Chinese Academy of Sciences, China, and Chongqing Institute of Green and Intelligent Technology, Chinese Academy of Sciences, China)

Members of the Organizing Committee

Tamazi Batsikadze (Georgian Technical University, Georgia)

Mukhtar Bekkiev (High-Mountain Geophysical Institute, Russia)

Ruslan Bobov (Aga Khan Agency for Habitat, Tajikistan)

Igor Bondyrev (Vakhushti Bagrationi Institute of Geography of the Ivane Javakhishvili Tbilisi State University, Georgia)

Goga Chakhaia (Tsotne Mirtskhulava Water Management Institute of the Georgian Technical University, Georgia)

Robert Diakonidze (Tsotne Mirtskhulava Water Management Institute of the Georgian Technical University, Georgia)

Yuri Efremov (Kuban State University, Russia)

Sven Fuchs (BOKU University, Austria)

Zurabi Gasitashvili (Georgian Technical University, Georgia)

Rinaldo Genevois, Department of Geosciences, University of Padova, Italy

Daviti Gurgenzidze (Georgian Technical University, Georgia)

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