

INTERNATIONAL WORKSHOP ON “CAPACITY BUILDING AND EDUCATION OUTREACH IN ADVANCED GEOSPATIAL TECHNOLOGIES AND LAND MANAGEMENT”

DATE: 10-11 DECEMBER, 2019, DHULIKHEL, KAVRE, NEPAL

DAY 1

DAY 1		
08:00-10:30	OPENING CEREMONY	Chair: Mr. Ganesh Prasad Bhatta, Executive Director, LMTC Master of Ceremony: Er. Bhuwan Ranjit, Instructor, LMTC
08:00-09:00	Registration+Breakfast+ Cultural Show by Dhulikhel Municipality (Dhime Baja+Laakhe Naach)	
09:00-09:05	Introduction of Dignitaries on the dias	
09:05-09:07	National Anthem	
09:07-09:15	Welcome Speech: Mr Rabin Kaji Sharma, President, NRSPS	
09:15-09:17	Inauguration: Hon' Padma Kumari Aryal, Minister for Land Management, Cooperatives and Poverty Alleviation (Chief Guest) - Swasti Baachan alongside by batuk	
09:17-09:22	Welcome Remarks: Mr. Ashok Byanju, Mayor Dhulikhel Municipality	
09:22-09:32	Remarks: ISPRS TC V/WG7 Chair: Prof. Vladimir Seredovich	
09:32-09:42	Remarks: Prof. Dr. Ram Kantha Makaju Shrestha, Vice Chancellor, Kathmandu University	
09:42-09:55	Felicitation of Sponsors	
09:55-10:05	Inaugural Speech: Hon' Padma Kumari Aryal, Minister for Land Management, Cooperatives and Poverty Alleviation (Chief Guest)	
10:05-10:15	Closing Remarks: Chair	
10:15-10:30	Group Photo	
10:30-11:00	TEA/COFFEE BREAK (including POSTER SESSION)	
11:00-13:00	KEY NOTE SESSION (Main Event Hall)	Moderator: Mr. Baburam Acharya, Former Secretary Facilitator: Mr. Tanka Dahal, Director, LMTC
11:00-11:10	Opening remarks by the chair and Introduction to the speakers	
11:10-11:30	Dr. Sunil Babu Shrestha, PEng ; Vice Chancellor, Nepal Academy of Science and Technology, Nepal	GIS FOR SUSTAINABLE URBAN PLANNING AND DEVELOPMENT OF NEPAL
11:30-12:00	Prof. Dr. J.A. Zevenbergen , University of Twente, Faculty of Geoinformation Science and Earth Observation, ITC, The Netherlands	RESPONSIBLE LAND ADMINISTRATION: GEOINFORMATION AND MORE
12:00-12:30	Dr. Sultan Kocaman ; Hacettepe University, Department of Geomatics Engineering, Ankara, Turkey	CITIZEN SCIENCE AND GEOSPATIAL TECHNOLOGIES IN MODERN LAND MANAGEMENT
12:30-13:00	Prof. Dr. Ruizhi CHEN , Wuhan University, China	BEYOND GNSS: SUB-METER ACCURACY INDOOR POSITIONING USING SMARTPHONES
13:00-14:00	LUNCH BREAK	

TECHNICAL SESSIONS			BIM SESSION	
14:00-15:30	Technical Session I (Advanced Geospatial Technologies: Urban Monitoring) (Chair: Dr. Sultan Kocaman, Rapporteur: Mr. Gobinda Ghimire) (Main Event Hall)	Technical Session II: Land Management (Chair: Dr. Sagar Raj Sharma, Rapporteur: Mr. Sanjaya Manandhar) (Administrative Building Hall)	14:00-15:30	BIM Session (Chair: Dr.-Dipl. Ing. Karel Vach, Rapporteur: Ms. Laxmi Thapa) (Training Building Hall)
14:00-14:15	GIS BASED MULTI-PARAMETER OPTIMAL PATH ANALYSIS FOR RURAL SCHOOLS - Mr. Dharmendra Kumar Meena	NOCTURNAL AND DIURNAL TRENDS OF SURFACE URBAN HEAT ISLAND INTENSITY: A SEASONAL VARIABILITY ANALYSIS FOR SMART URBAN PLANNING - Ms. Kanaya Dutta	14:00-14:30	BIM Session Part I - THE CONTRIBUTION OF GEOMATIC TECHNOLOGIES TO BIM: Prof. Dr. Roman Shults and Prof Dr. Ing. Karel Pavelka, Main Speakers
14:15-14:30	SPATIO-TEMPORAL ANALYSIS AND MODELING OF URBAN GROWTH OF BIRATNAGAR CITY, NEPAL - Mr. Sanjeevan Shrestha	LAND MANAGEMENT PROBLEMS IN NEPAL: REPERCUSSIONS OF LAND USE POLICY AND IMPLEMENTATION GAPS IN REGIONAL AND URBAN PLANNING - Mr. Bhupendra Jung Keshari Chand	14:30-15:30	Panel Discussion on the activities of ISPRS WG V/7
14:30-14:45	MONITORING SPATIAL VARIATION IN TRIBAL POPULATION AT TAHSILS OF AHMEDNAGAR DISTRICT, MAHARASHTRA USING GIS TECHNIQUE - Mr. Suresh Somnath Deshmukh	E-CAD: WEB-BASED INFORMATION SERVICE FOR LAND MANAGEMENT - Mr. Megahraj Neupane		Speakers: Prof. Vladimir Sereдовich Dr.-Dipl. Ing. Karel Vach Prof. Dr. Roman Shults
14:45-15:00	SPACE-PLACE BASED DATA INTEGRATION AND MAPPING FOR HOUSE NUMBERING OF LALITPUR METROPOLITAN CITY (LMC), NEPAL- Prof. Dr. Krishna Prasad Poudel and Mr. Suresh Shrestha	APPLICATION OF ANALYTICAL HIERARCHY PROCESS TO ASSESS THE IMPACT OF THE LAND USE REGULATION ON THE LAND MARKET IN NEPAL: - Mr. Nab Raj Subedi	15:30-15:45	TEA/COFFEE BREAK
15:00-15:15	IDENTIFYING AND MAPPING OF SLUMS IN PUNE CITY USING GEOSPATIAL TECHNIQUE - Dr. Nitin Nathuram Mundhe	LAND EVALUATION FOR LAND USE PLANNING - Mr. Bikash Kumar Karna	15:45-17:20	BIM Session: Part II - Technical Session (Chair: Mr. Madhu Sudan Adhikary, Secretary, Ministry of Urban Development, Government of Nepal; Rapporteur: Mr. Lekha Nath Dahal, Mr. Adam Dlesk)
15:15-15:30	UNDERSTANDING LINK BETWEEN LAND SURFACE TEMPERATURE AND LANDSCAPE HETEROGENEITY: A SPATIO-TEMPORAL AND INTER-SEASONAL VARIABILITY STUDY ON KABUL CITY, AFGHANISTAN - Mr. Kanaya Dutta	A 40-YEAR MONITORING OF URBAN EXPANSION IN NEPAL USING TIME SERIES LANDSAT SATELLITE IMAGES: 1976 TO 2016- Dr. Bhagwat Rimal	15:45-16:00	GENERATING 3D MODELS OF URBAN STREET FACADES AT THE STAGES OF THEIR EXTENSIVE RENOVATION- Prof. Vladimir Sereдовich and Dr.-Dipl. Ing. Karel Vach
15:30-16:00	TEA/COFFEE BREAK (including POSTER SESSION)		16:00-16:15	ANALYSIS OF POSSIBILITIES OF LOW-COST PHOTOGRAMMETRY FOR INTERIOR MAPPING - Mr. Adam Dlesk
	TECHNICAL SESSIONS		16:15-16:30	INTEGRATION OF SAFETY ASSESSMENT IN BIM FOR TRANSPORTATION INFRASTRUCTURE - Mr. Zdenek Svaty
16:00-17:30	Technical Session III: Remote Sensing and Space Education: Remote Sensing for Natural Disaster (Chair: Dr. Rijan Bhakta Kayastha, Rapporteur: Er. Rubina Shahi) (Main Event Hall)	Technical Session IV: Spatial Data Infrastructure and Internet of Things (IOT) (Chair: Dr. Devraj Paudyal, Rapporteur: Er. Luv Prasad Kuinkel) (Administrative Building Hall)	16:30-16:45	APPLICATION OF THREE-DIMENSIONAL SCENE TECHNOLOGY IN LAND MANAGEMENT - Mr. Gaobo He

16:00-16:15	ESTIMATIONING THE VOLUME OF ICE LOSS USING LANDSAT IMAGERIES: A CASE STUDY OF RIKHASAMBHA GLACIER, NEPAL - Mr. Sujan Sapkota	LEVERAGING CITIZEN SCIENCE TO ADVANCE INTERACTIVE SPATIAL DECISION SUPPORT TECHNOLOGY: A SWOT ANALYSIS - Dr. Rehana Shrestha	16:45-17:00	SEMI-AUTOMATED TOPOLOGY ADJUSTMENT OF PARTIAL WALL GEOMETRY - Dr. Maarten Bassier
16:15-16:30	LANDSLIDE EXTRACTION FROM SENTINEL-2 IMAGE IN SIWALIK OF SURKHET DISTRICT, NEPAL - Mr. Padam Bahadur Budha	SMARTPHONE-BASED VOLUNTEERED GEOGRAPHIC INFORMATION (VGI) FOR SLUM MAPPING IN POKHARA CITY OF NEPAL - Dr. Devraj Paudyal	17:00-17:15	APPLICATION OF 3D GIS IN SMART CITIES - TAKING APPLICATION OF GIS+BIM IN URBAN ROAD ENGINEERING AS AN EXAMPLE- Ms. Anni Wang
16:30-16:45	SPATIO-TEMPORAL EVALUATION OF LONG-TERM EARTHQUAKE EVENTS AND ITS CONTRIBUTION IN GENESIS OF TSUNAMI IN THE INDIAN OCEAN - Mr. Ashif Ali Khan	WPS ENABLED SDI: AN OPEN SOURCE APPROACH TO PROVIDE GEOPROCESSING IN WEB ENVIRONMENT - Mr. Ashutosh Kumar Tripathi	17:15-17:20	Wrap-up and closing Remarks
16:45-17:00	SURFACE VELOCITY DYNAMICS OF SAMUDRA TAPU GLACIER, INDIA FROM 2013 TO 2017 USING LANDSAT-8 DATA - Mr. Rakesh Sahu	SCIDB BASED FRAMEWORK FOR STORAGE AND ANALYSIS OF REMOTE SENSING BIG DATA - Mr. Abhasha Joshi	17:20-18:00	Closed Session of ISPRS WG V / 7 Members only
17:00-17:15	TEMPORAL SHIFT OF BAGMATI RIVER OVER 25 YEARS USING LANDSAT - Mr. Anoj Subedi	VERSIONING- A METHOD TO DEVELOP AND MANAGE NATIONAL, REGIONAL, MUNICIPALITIES AND COMMUNITIES GEOSPATIAL DATABASES - Prof. Ammatzia Peled	17:20-17:35	LASER SCANNING IN CONSTRUCTION, CHALLENGES, CURRENT TASKS, AND RESULTS- Dr.-Dipl. Ing. Karel Vach and Prof. Vladimir Sereдовich
17:15-17:30	LAND SURFACE TEMPERATURE PROFILING AND ITS RELATIONSHIPS WITH LAND INDICES: A CASE STUDY ON LUCKNOW CITY - Mr. Md. Omar Sarif	REVISITING THE CURRENT UAV REGULATIONS IN NEPAL: A STEP TOWARDS LEGAL DIMENSION FOR UAVS EFFICIENT APPLICATION - Dr. Reshma Shrestha	17:35-18:00	Presentations and Discussions

18:00-20:00	WELCOME RECEPTION			
	Social Evening			
	Dinner			

DAY II				
08:00 – 09:00	REGISTRATION + BREAKFAST			
09:00-09:45	Day II Opening Session			
09:00-09:10	Summary of Day I - Prof. Dr. Kevin McDougall			
09:10-09:30	The Future of Authoritative Geospatial Data in the Big Data World - Trends, Opportunities and Challenges - Prof. Dr. Kevin McDougall			
09:30-09:45	Presentation - Trimble			
09:45-10:00	Short Break			
TECHNICAL SESSIONS				
10:00-11:30	Technical Session V: Advanced Geospatial Technologies- Ecology and Geography (Chair: Prof. Roman shults; Rapporteur: Er. Maheshwor Karki) (Main Event Hall)	Technical Session VI: Curriculum Development for GIS Education Outreach (Chair: Dr. Purna Nepali, Rapporteur: Er. Shivajee K.C.) (Administrative Building Hall)		
10:00-10:15	POTENTIAL HABITAT MODELING OF WATER HYACINTH IN LAKES OF NEPAL USING MAXENT ALGORITHM- Mr. Suman Singh Thakuri	CAPACITY DEVELOPMENT AND EDUCATION OUTREACH IN GEOINFORMATICS AND LAND MANAGEMENT: A CASE OF DEPARTMENT OF GEOMATICS ENGINEERING, KATHMANDU UNIVERSITY - Dr. Subash Ghimire		

10:15-10:30	ASSESSING THE IMPACTS OF CLIMATE CHANGE ON THE HYDROLOGY OF THE INDRAWATI RIVER BASIN, NEPAL - Mr. Bikesh Bade	EFFORTS ON GENDER BALANCE CAPACITY BUILDING IN GIT- Dr. Poonam Tripathi
10:30-10:45	SPATIAL BIODIVERSITY MODEL TO CHARACTERIZE BIOLOGICAL DIVERSITY USING R STATISTICAL COMPUTING ENVIRONMENT FOR NEPAL HIMALAYA- Mr. Ramesh Silwal	ARSC GEOSPATIAL PRODUCTS AND TECHNOLOGIES SERVE SOUTH EAST ASIA AND THE WORLD- Ms. Yan Zhang
10:45-11:00	COMPARISON AND SUITABILITY ASSESSMENT OF SLOPE CALCULATION ALGORITHMS ON DIFFERENT TERRAINS USING AERIAL SURVEY- Mr. Diwash Tamang	A COLLABORATIVE MODEL AND “KNOWLEDGE TRANSFER VEHICLE” FOR CAPACITY DEVELOPMENT: GEO-INFORMATION AND LAND ADMINISTRATION EDUCATION AT KATHMANDU UNIVERSITY JOINTLY WITH LAND MANAGEMENT TRAINING CENTER - Dr. Reshma Shrestha
11:00-11:15	A COMPARATIVE ASSESSMENT OF REMOTE SENSING IMAGING TECHNIQUES: OPTICAL, SAR AND LIDAR - Mr. Gaurav Khairnar	PREPARATION OF SYLLABUS OF GEOMATICS ENGINEERING- Mr. Punya Prasad Oli
11:15-11:30	MAPPING URBAN TREES WITHIN CADASTRAL PARCELS USING AN OBJECTBASED CONVOLUTIONAL NEURAL NETWORK - Ms. Shirisa Timilsina	
11:30-12:00	TEA/COFFEE BREAK	
	TECHNICAL SESSIONS	
12:00-13:30	Technical Session VI: Remote Sensing and Space Education: Remote Sensing for Forest Management (Chair: Dr. Him Lal Shrestha, Rapporteur: Er. Pramod Guragain) (Main Event Hall)	LMTC Session: Exploring International Collaboration (Close) (Chair: Mr. Ganesh Prasad Bhatta; Rapporteur: Mr. Tanka Prasad Dahal) (Administrative Building Hall)
12:00-12:15	ESTIMATION OF ABOVE GROUND FOREST BIOMASS USING ULTRA HIGH RESOLUTION UAV IMAGES: A CASE STUDY FROM BARANDABHAR FOREST, NEPAL - Mr. Uma Shankar Pandey	Closed Session with Invited Guests Only
12:15-12:30	ESTIMATING ABOVE GROUND BIOMASS OF PINUS ROXBURGHII USING SLOPE BASED VEGETATION INDEX MODEL - Er. Bhuwan Ranjit	
12:30-12:45	SAR – OPTICAL REMOTE SENSING BASED FOREST COVER AND GREENNESS ESTIMATION OVER INDIA - Mr. Preet Lal	
12:45-13:00	ESTIMATING AND MAPPING CHLOROPHYLL-A CONCENTRATION OF PHEWA LAKE OF KASKI DISTRICT USING LANDSAT IMAGERY - Ms. Nimisha Wagle	
13:00-13:15	ESTIMATION OF FOREST COVERAGE IN NORTHERN REGION OF MONGOLIA USING SENTINEL AND LANDSAT DATA - Mr. Bayan Novor	
13:15-13:30	ESTIMATION METHODOLOGY FOR FOREST BIOMASS IN MONGOLIA USING REMOTE SENSING: Mr. Tsolmon Altanchimeg	
13:30-14:30	LUNCH BREAK	
14:30-15:00	Professional Networking (Informal)	
15:00-16:30	CLOSING CEREMONY	Chair: Mr. Ganesh Prasad Bhatta MC: Ms. Laxmi Thapa
15:00-15:05	Introduction of Dignitaries on the dias	
15:05-15:25	Technical Report with Remarks - Prof. Dr. Kevin McDougall	
15:25-15:40	Presentation of Workshop Resolution with remarks - Mr. Janak Raj Joshi, Joint Secretary, MoLCPA	
15:40-15:50	Vote of Thanks - Mr. Punya Prasad Oli, President of NICS	
15:50-16:00	Remarks- Secretary, Ministry of Land Management, Cooperatives and Poverty Alleviation (MoLCPA) - Mr. Surya Prasad Gautam	
16:00-16:30	Closing Remarks - Chair	
16:30-17:00	Hi-Tea	