FOSS4G ASIA 2021 - CONFERENCE SCHEDULE

KATHMANDU UNIVERSITY, DHULIKHEL NEPAL

OCTOBER 1st & 2nd, 2021

Time [UTC + 5:45]	Session	Activities Physical Participation: C.V. Raman Auditorium Virtual Participation: https://zoom.us/webinar/register/WN_7BfWiARZRXeJQNyRh20yGQ
08:30	Opening Ceremony	Registration /Tea Coffee(On-site Participants)
09:00		National Anthem of Nepal
09:05		Kathmandu University Anthem
09:10		Delegates Seating
09:15		Welcome: Dr. Reshma Shrestha, Conference Coordinator (Kathmandu University)
09:20		Inaugaration [Lighting the lamp]
09:25		Opening Remarks: Prof. Dr. Manish Pokharel, Conference Chair (Kathmandu University)
09:35		Remarks: Mr. Ganesh Prasad Bhatta, Executive Director, Land Management Training Center
09:45		Remarks: Dr. Sunil Babu Shrestha, Vice Chancellor, Nepal Academy of Science and Technology
09:55		Remarks: Er. Ganesh Shah, Former Minister of Environment, Science and Technology
10:05		Remarks: Prof. Dr. Bhola Thapa, Vice Chancellor, Kathmandu University
10:15		Remarks: Prof. Dr. Venkatesh Raghavan, Conference Chair (FOSS4G-ASIA)
10:25		Group Photo

Break (1 hour)

Time[UTC + 5:45]	Session	Moderator: Dr. Bal Krishna Bal Physical Participation: C.V. Raman Auditorium Virtual Participation: https://zoom.us/webinar/register/WN_7BfWiARZRXeJQNyRh20yGQ
11:30	Keynote Session-1	Speaker: **Dr. Junho Lee**Data-driven urban problem solving platform : COMPAS
12:15		Speaker: **Prof. Dr. Xianfeng Song**"Development and challenges of open source geospatial technology in China"
13:00		Speaker: **Prof. Dr. Rangajeewa Ratnayake**4ONSE- Lessons leant from FOSS for climate-based services

Break (45 minutes)

Time [UTC + 5:45]	Session	Theme 1: People to Land Relationship and Urban System (PLUS) Physical Participation: Mini Auditorium Virtual Participation: https://zoom.us/webinar/register/WN_W9Olh_N3RcqzC2wLwUSV1w	Theme 2: Web, Mobile and Location Based Services (WMLBS) Physical Participation:Senate Hall Virtual Participation: https://zoom.us/webinar/register/WN_HyISUptESV-hUak0fqBmaA
		Session Chairs: Prof. Rangajeewa Rathnayake, Prof. Venkatesh Raghavan	Session Chairs: Prof. Xianfeng Song, Dr. Upama Ashish Koju
14:15	Tehcnical Session -1	[Paper ID-44] Quantum GIS Based Suitability Analysis for Effective Planning Of Solid Waste Management Of Kathmandu Valley [Prashant Thapaliya]	[Paper ID-47] Web GIS Application by using open source software -A Case study of Hyderabad Urban rural belt (15-40 kms). [T.Pratigna]
14:30		[Paper ID-51] Importance of Land Use Planning in the Management of Urbanization [Anjali Pathak]	[Paper ID-32] Development and prospects of Re:Earth, an open source GIS web app using Cesium [Kenya Tamura]
14:45		[Paper ID-68] GIS art as means of urban revitalization - A case study on Bangalore city of India [Madhuri Ramamurthy]	[Paper ID-58] Suitability of OSMAND Mobile App for Mapping and Monitoring of Rural Roads [H K Solanki]
15:00		[Paper ID-71] Examine the effect of the physical characteristics of the Urban Green and Blue Spaces in Heat Mitigation: A case study of Palakkad city [Vignes H P M]	[Paper ID-62] ShinyGeoVA: An Open source Web Application for Geospatial Visualisation and Analytics [Tin Seon]
15:15		[Paper ID-78] Comparative Study of Mapping Land Parcels with Fit-for-Purpose Tools and Conventional Techniques to Support Tenure Security for All [Raja Ram Chhatkuli]	[Paper ID-46] Introduction to Open Indoor Map [Sanghee Shin]
15:30		[Paper ID-72] Geo-enabled municipal energy planning (MEP) in new federal context of Nepal [Hari Krishna Dhonju]	[Paper ID-24] MapMint: The service-oriented platform [Web] [Gérald Fenoy]

Break (15 minutes)

Time [UTC + 5:45]	Session	Theme 6: Innovative Technologies, Research and Experience Sharing in Geospatial Capacity Development (IRGCD) Physical Participation: Mini Auditorium Virtual Participation: https://zoom.us/webinar/register/WN_W9Olh_N3RcqzC2wLwUSV1w	Theme 4: Artificial Intelligence for Geospatial Applications (GeoAI) Physical Participation: Senate Hall Virtual Participation: https://zoom.us/webinar/register/WN_HyISUptESV-hUak0fqBmaA
		Session Chairs: Prof. Ramesh Kr. Maskey, Dr Bharath H Aithal	Session Chairs: Dr. Arun Pratihast, Prof. K.S. Rajan
16:00	Tehcnical Session -2	[Paper ID-15] Potential of Free and Open Source Software for Education in Developing Countries [Pawan Thapa]	[Paper ID-19] Experimentation with Generative Adversarial Networks for Building Extraction from a Very High- Resolution Remote Sensing Imageries [Prakash PS]
16:15		[Paper ID-50] Teaching Geographic Information Science concepts with QGIS – lessons from 4 years of distance education [André Mano]	[Paper ID-37] Need of Open Spatial Data Infrastructure: Application of Machine Learning Tools in Disaster Management and Mitigation. [Subash Ghimire]
16:30		[Paper ID-48] Passport in my shoe: The History of FOSS4G [Jeff McKenna]	[Paper ID-14] Novel approach to delineate cities and their population based on open source GIS applications, machine learning and open-data [L.D.C.H.N. Kalpana]
16:45		[Paper ID-38] MapServer Project Status Report [Jeff McKenna]	[Paper ID-45] Model Land Fragmentation by Using Feed Forward Neural Network and Decision Tree: Case of Western Province, Sri Lanka [M.N.N. Ranaweera]
17:00		[Paper ID-80] Automated Coastal Monitoring using Deep Learning Techniques using UAV images [Laxmi Thapa]	[Paper ID-28] Object-based Image Classification Using Mask R-CNN and CNN [Batbold Badamdorj]
17:15		[Paper ID-29] Solutions for monitoring air quality: A proposal of air quality monitoring sensor network based on Internet of Things (IoT) [Rojina Shakya]	[Paper ID-25] Multi-layer perceptron-Markov chain- based artificial neural network for modelling Urban Expansion in Ulaanbaatar, Mongolia [Bolorchuluun Chogsom]

Program for Conference Day [October 2nd, 2021]

Time [UTC + 5:45]	Session	Moderator: Sanghee Shin Physical Participation: Mini Auditorium Virtual Participation: https://zoom.us/webinar/register/WN_fZn8Q86YSYKjXdiYu8Ig2A	
08:00	Keynote Session-2	Speaker: **Dr. Sarawut NINSAWAT** Title: From Maps to DSS with Big Data and Machine Learning	
08:45		Speaker: **Dr. Nguyen Quang Tuan**Title: Application of open source software to build and deploy SDI system for Thua Thien Hue province	
09:30		Speaker: **Dr. Iwasaki Nobusuke**Title: Where do we come from and where are we going? -15 years progress of OSGeo Japan chapter	

Break (15 minutes)

Time[UTC + 5:45]	Session	Theme 5: Geospatial Technologies in Agriculture, Forest and Environment (GeoAFE) Physical Participation: Mini Auditorium Virtual Participation: https://zoom.us/webinar/register/WN_fZn8Q86YSYKjXdiYu8Ig2A	Theme 3: Spatial Landuse Planning and Decision Support System (SPDSS) Physical Participation: Senate Hall Virtual Participation: https://zoom.us/webinar/register/WN_ciRtJgHGRmKtSCKO6_JjIg
		Session Chairs: Dr. Nobusuke Iwasaki, Dr. Sarawut Ninsawat	Session Chairs: Raja Ram Chattkuli, Dr. N N Saldhuna (Not Confirmed)
10:30	Technical Session -3	[Paper ID-35] Growth Monitoring and Yield Estimation of Maize field using UAV [Ganesh Pandey]	[Paper ID-74] Web based spatial planning and decision support system [Suhas S]
10:45		[Paper ID-34] Multi-temporal Unmanned Aerial Vehicle (UAV) data for Quantitative Measurement of Soil Deposition and River Track Change due to Flooding in an Agricultural Watershed [Sujan Sapkota]	[Paper ID-11] Future land use land cover scenario simulation using Open Source GIS for the City of Banepa and Dhulikhel Municipality, Nepal [Sijan Bhandari]
11:00		[Paper ID-30] Banana Acreage estimation using Sentinel-2 data and Google Earth Engine over Chamarajanagar district, Karnataka, India [Barsale Sayali Bhagwan]	[Paper ID-73] AI based Land use Planning for Nepal[Purna Nepali]
11:15		[Paper ID-65] Multi criteria evaluation for potential forest ecosystem resilience [S. Mira Shivani]	[Paper ID-55] Spatio-temporal dynamics of chamarajanagar region, Karnataka, India [Rajeshwari N]
11:30		[Paper ID-69] Continuous Assessment of Land Degradation and Its Impacts on Land Resources of Sivagangai Block,Tamil Nadu, India [Himanshu Sharma]	[Paper ID-59] Impact of land use and land cover changes on the land surface temperature: A case study of Bhokardan, Central Maharashtra, India [Ajit Jadhav]
11:45		[Paper ID-79] A Long-term Assessment of Cropping Intensity using Google Earth Engine : Impact of Asia's Biggest Irrigation Project in India [Nagaveni Chokkavarapu]	[Paper ID-61] Envisioning Rural Development in India through Spatial Planning and Decision Support System [Dr.N.S.R.Prasad]
12:00		[Paper ID-17] A Research on EIA (Environment Impact Assessment) Data Visualization using Open Source [Sanghee Shin]	[Paper ID-49] An Open-Source Approach To Map Land Use In Urban Areas: Based On Deep Learning Technology [H.W.A.S Sathsarana]

Break (1 hour)

Time[UTC + 5:45]	Session	Moderator: Dr. Subash Ghimire Physical Participation: Senate Hall Virtual Participation: https://zoom.us/webinar/register/WN_AMXLkXIIQFyZ0HIbZ4Q2Kw	

Time	Session			
13:15 PM	Keynote Session-3	Speaker: **Mr. Janak Raj Joshi**Title: Free and Open-Source Software for Land Management in Nepal		
14:00 PM		Speaker: **Prof. Dr.-Ing. Franz-Josef Behr**Title: Commons as an inner Habit and the Impact of the OSGeo Foundation		
Break (15 minutes)				
Time [UTC + 5:45]	**Session**	**Theme 7: FOSS4G for Disaster and Epidemology (FOSSDE)** **Physical Participation: Mini Auditorium** **Virtual Participation: https://zoom.us/webinar/register/WN_AMXLkXIIQFyZ0HIbZ4Q2Kw**	**Theme 8: Geospatial Applications in Citizen Science (GCS)** **Physical Participation: Block No. 9,** **Virtual Participation: https://ku-edu-np.zoom.us/j/97043371638?pwd=V3BOdC9XT0taa2ZRZTJpTXdRZkZlUT09**	**Theme 9: Geospatial Plugins, Packages and platform development (GPPPD)** **Physical Participation: Senate Hall** **Virtual Participation: https://zoom.us/webinar/register/WN_gTvOdFHmQt6e47n3TVuqZQ**
		Session Chairs: Mr. Birendra Bajracharya, Sanghee Shin	Session Chairs: Dr. Rehana Shrestha, Prof. Shailesh Chaure	Session Chairs: Dr. Bhogendra Mishra, Dr. Vinayaraj Poliyapram
15:00	Technical Session -4	[Paper ID-26] Multivariate building damage model for scenario based flood risk assessment [Aishwarya Narendr]	[Paper ID-53] Use of Geographical Information System(GIS) on Public Police Partnership (PPP) in Nepal [Deepak Raj Awasthi]	[Paper ID-21] PySLD: An Open-source Python Package for Generating the Symbology of Geospatial Data [Tek Bahadur Kshetri]
15:15		[Paper ID-52] Detection Of Shoreline Change Due To Impact Of Breakwaters At Ariyankuppam River Mouth In Puducherry, India By Using Remote Sensing And GIS [Nandanaa Naresh Singh]	[Paper ID-63] Integrated PGIS for the Sustainable Development of Tourism in Machhapuchchhre Model Trek Route and Development of Mobile based Application [D. Bishwakarma]	[Paper ID-54] Developing spatial data visualization system using open source tools: A case of Mysuru city, Karnataka [Sushma M N]
15:30		[Paper ID-56] Spatial Modelling of Tamilnadu Economic Crisis During Covid 19 [Saraswathy Rajasekaran]	[Paper ID-76] Volunteered In-Situ Data for Agriculture Crop Mapping: A Case Study of Nepal [Uma Shankar Panday]	[Paper ID-16] State of mago3D, An Open Source Based Digital Twin Platform [Sanghee Shin]
15:45		[Paper ID-57] Spatial Modelling On The Incidence With Socioeconomic Aspects During The Pandemic At India [Rathna Reddy]	[Paper ID-64] Rethinking the future of the cities using Geospatial technology – A Pilot study in Perundurai, Erode district, Tamil Nadu, India [Apoorva Shanthkumar]	[Paper ID-36] Development of Plugin in QGIS Environment for Accuracy Assessment of the Extracted Boundary [Ganesh Khadanga]
16:00		[Paper ID-23] GIS Modelling to Decentralize Examination Centers to Maintain COVID-19 Protocol [Biplab Biswas]		[Paper ID-31] Development of enterprise level Spatial Planning and Decision Support System for Gas Asset Management in City Gas Distribution companies in India using FOSS [Saurabh Varma]
16:15		[Paper ID-60] Lockdown turned 'Farm to Fork' – Dream or Reality! - Agricultural Situation in Thanjavur, India before, during and after COVID-19 [S D Anitha Selvasofia]		[Paper ID-47] ZOO-Project: from OGC Web Processing Service to OGC API - Processes [Gér
16:30		[Paper ID-18] Surface Runoff Estimation by SCS Curve Number Method in an un- gauged Usri River Basin using GIS [Biplab Biswas]		
Break (15 minutes)				
Time [UTC + 5:45]	**Session Senate Hall**	**Session Chair: Prof. Dr. Manish Pokharel, Conference Chair (Kathmandu University)** **Physical Participation: Senate Hall** **Virtual Participation: https://zoom.us/webinar/register/WN_gTvOdFHmQt6e47n3TVuqZQ**		
17:00	Closing Ceremony	Remarks: Conference Co-Chair, Associate Professor Brijesh Adhikary		
17:10		Remarks: Mr. Natraj Vaddadi, Conference Coordinator (FOSS4G)		
17:20		Remarks: Mr. Janak Raj Joshi, Joint Secretary, MoLCPA		
17:30		Award Announcement and Remarks: Prof. Dr. Venkatesh Raghavan		
17:40		Vote of Thanks: Dr. Reshma Shrestha, Conference Coordinator (Kathmandu University)		
17:50		Closing Remarks: Prof. Dr. Manish Pokharel, Conference Chair (Kathmandu University)		