

1st NRN Global
Knowledge Convention

Plenary 1: Science and Technology Policies				
13 October 2018, 08:15-10:40, Megha Hall				
Chair: Dr Dinesh Chandra Devkota, Moderator: Dr Dinesh Raj Bhuju				
Time	Speaker/Panelist	Topic	Institute	
08:15-08:40	Registration, tea and neetworking			
08:40-08:50	Kumar Panta Mr, Hem Raj Sharma Dr	Welcoming remarks by conference chairs		
08:50-09:15	Contributed	Dinesh Raj Bhuju, Dr	Foundation of science and technology in Nepal	Academician, Nepal Academy of Science and Technology, Kathmandu, Nepal
09:15-09:55	Invited	Eduardo Martinez, Dr	Science, technology and innovation federal strategy and policy in Nepal 2019-2022	STI Policy Expert Consultant, UNESCO, Paris, France
09:55-10:30	Panel Discussion and Q&A	Fernando Quevedo, Prof		Director, International Centre for Theoretical Physics (ICTP), Italy
		Ganesh Raj Joshi, Dr		Former Secretary, Government of Nepal
		Malak Shrestha, Prof		Vice Chairman & Director of Aortic Surgery, Hannover Medical School, Germany
		Rejina Maskey-Byanju, Prof		Head, Central Dept. of Environmental Science, Tribhuvan University, Kirtipur, Nepal
		Sharad Onta, Dr		Former Assistant Dean, Institute of Medicine, Kathmandu
10:30-10:40	Summary	Dinesh Chandra Devkota, Dr		Former Vice Chairman, National Planning Commission (NPC)
10:40-11:10	Teak Break			

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Plenary 2: Knowledge-based Economy & Development Pathways				
13 October 2018, 11:10-12:50, Megha Hall				
Moderator: Dr Shobhakar Dhakal				
Time		Speaker/panelist	Topic	Institute
11:10-11:30	Invited	Rabindra Adhikari, Hon'ble	Nepal's development plan and knowledge-economy: Where do we stand? Where do we want to reach? Goals and pathways	Minister of Culture, Tourism and Civil Aviation of Nepal
11:30-11:50	Invited	Bindu Nath Lohani, Dr	Asia's development experiences: what that means for Nepal	Former Vice President, Asian Development Bank
11:50-12:40	Panel discussion and Q&A	Baburam Bhattarai, Hon'ble Dr		Former Prime Minister of Nepal
		Swarnim Wagle, Dr		Former Vice Chairman, National Planning Commission, Nepal
		Yankila Sherpa, Mrs		Former State Minister of Tourism and Civil Aviation
		Uendra Mahato, Dr		NRNA Founding President, Belarus
12:40-12:50	Summary	Shobhakar Dhakal, Dr		Department Head, Department of Energy, Environment & Climate Change, Asian Institute of Technology, Bangkok, Thailand
12:50-13:50	Lunch			

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Plenary 3: Knowledge and Technology Transfer

13 October, 13:50-15:30, Megha Hall

Chair: Ministry of Education, Science and Technology, Giriraj Mani Pokhrel, Hon; Moderator: Dr Raju Adhikari

Time		Speaker/panelist	Topic	Institute
13:50-14:10	Invited	Sanjay Sharma, Dr	Nepal's S&T investment, policies and challenges	Ministry of Science and Technology (MoEST), Kathmandu, Nepal
14:10-14:30	Invited	Pramod Bahadur Shrestha, Prof	Knowledge, technology transfer, innovation and sustainable development	Institute of Engineering, Pulchowk Tribhuvan University, Nepal
14:30-14:50	Contributed	Raju Adhikari, Dr	Knowledge investment-NRN perspectives	BIORA BIORENEWABLE ALTERNATIVES & RMIT University, Australia
14:50-15:00	Contributed	Narayan Ghimire, Mr	Agro-food innovation supercluster in Nepal	Technical Manager, Scientific Innovation, Flavorcan International Inc, Toronto, Canada
15:00-15:25	Panel discussion and Q&A	Buddhi Ranta Khadge, Dr		Secretary, Nepal Academy of Science and Technology, Kathmandu, Nepal
		Mahabir Pun, Mr		Chairman, Nepal Innovation Center
		Jiba Nath Lamichhane, Mr		Promotor, Sanima Group of Companies, Nepal & Ex-president/patron, NRNA
15:25-15:30	Summary	Giriraj Mani Pokhrel, Hon.		Ministry of Education, Science and Technology, Nepal
15:30-16:00	Tea Break			

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Plenary 4: Diaspora for Development Policies
13 October 2018, 16:00-18:10, Megha Hall

Chair: Dr Bhekh Bahadur Thapa, Moderator: Khagendra Dhakal

Time	Role	Speaker	Topic	Institute
16:00-16:05		Khagendra Dhakal, Mr	Introduction	King Mongkut's University of Technology North Bangkok
16:05-16:25	Invited	Puspa Raj Kadel, Prof	Government's needs and expectation from Nepali diaspora for the development	Vice Chair, National Planning Commission, Government of Nepal
16:25-16:40	Invited	Bhim Udas, Mr	Diaspora's strengths and possible means to harness them for the development of Nepal	Founding International Coordinator of NRNA
16:40-17:00	Contributed	Sharad Neupane, Mr	Proposition of NRNA policy institute for the collaboration between diaspora and Government of Nepal	Nepal Policy Institute, Thailand
17:00-17:15	Contributed	Krishna Adhikari, Dr	Understanding the Nepali diaspora and connectivity for welfare both inside and outside Nepal	University of Oxford, UK
17:15-17:25	Contributed	Yub Raj Pokharael, Dr	Diaspora entrepreneurs in India: How they can participate in Nepal's development process	South Asian University, New Delhi, India
17:25-17:45	Panel discussion and Q&A	Bhaban Bhatta, Mr		President, Non-Resident Nepali Association
		Madan Kumar Dahal, Dr Prof		Former Head, Central Department of Economics Tribhuvan University
		Sharu Joshi Shrestha, Ms		Former Strategic Partnership Specialist at UN Women
17:45-18:00	Guest Speaker	Pradeep Kumar Gyawali, Hon.		Minister of Foreign Affairs Nepal
18:00-18:10	Summary	Bhekh Bahadur Thapa, Dr		Former Foreign and Finance Minister of Nepal
18:10-19:10	Poster			
19:10	Dinner			

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Symposium 1: Agriculture and Food Security

14 October 2018, 08:15-12:50, Megha Hall

Session A: Agriculture and Natural Resources Policy Implications for Food Security, Chair: Prof Ishwari Prasad Dhakal

Time		Speaker/Panellist	Topic	Institute
08:15-08:40	Tea and networking			
08:40-08:45		Keshav Adhikari, Prof Dr	Symposium introductions and welcome	Dean, Institute of Agriculture and Animal Sciences, Tribhuvan University, Nepal
08:45-09:05	Invited	Yubak Dhoj GC Dr	Keynote policy remarks from the Government of Nepal	Secretary, Ministry of Agriculture, Land Management and Cooperatives, Government of Nepal
09:05-09:20	Invited	Durga Poudel, Prof Dr	Agriculture and natural resources development and management strategy (video presentation)	Environmental Science Program, University of Louisiana at Lafayette, Louisiana, USA
09:20-09:40	Invited	Krishna Dev Joshi Dr	Transforming rice agri food systems in Nepal: Need for strong international collaboration	Country Representative in Nepal, International Rice Research Institute, Manila, the Philippines
09:40-10:00	Invited	Nanda Prasad Shrestha Dr	Role of livestock sector for improving food and nutrition security of rural Nepalese people	Former Executive Director, Nepal Agricultural Research Council (NARC)
10:00-10:20	Contributed	Drona Rasali, Dr	Securing sustainable, sufficient, safe and healthy food: Principles and practices of food security in Nepal	Director, Provincial Health Services Authority, BC, Canada
10:20-10:35	Contributed	Ram Bhandari	Mountain organic agriculture in the Himalaya: Strengthening partnerships, policies and practices for livelihood, food and ecological security in Nepal	Founding President, IISUMOD-International Institute for Sustainable Mountain Development, Rome, Italy
10:35-10:40	Summary	Ishwari Prasad Dhakal Prof		Agriculture and Forestry University
10:40-11:10	Tea break			
Session B: Agricultural Innovation and Practice for Food Security, Chair: Dr Dil Bahadur Gurung				
Time		Speaker/Panelist	Topic	Institute
11:10-11:30	Invited	Tek Bahadur Gurung, Dr	Local innovation on enterprise based restoration of degraded lake and fish production by cooperative governance: Working scope to NRNA in agriculture sector for food and nutrition security in Nepal	Principal Scientist and Research head, Livestock and Fisheries Research Nepal Agricultural Research Council, Nepal

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11:30-11:50	Invited	Surya Bhattarai, Dr	Alternative fertilizer options for sustainable agriculture in Nepal	Senior Research Fellow, Central Queensland University, Australia
11:50-12:00	Contributed	Bhola Man Singh Basnet	Rice security is food security how to make Nepal self-reliant in rice production?	Retd. Principal Scientist (Agronomy)/Senior Rice Expert Nepal Agricultural Research Council (NARC)
12:00-12:10	Contributed	Dharmendra Kalauni	Pesticide use and its residue status in food crops in Nepal	Agriculture and Forestry University
12:10-12:20	Contributed	Pradeep Wagle, Mr	Global food security through agricultural transformation: How can agricultural expatriates contribute?	Association of Nepalese Agricultural Professionals of Americas, USA
12:20-12:30	Contributed	Ravindra Nyaupane, Mr	Agricultural and integrated economy of GGA	Swansea University, UK
12:30-12:40	Contributed	Purna Kandel, Dr	Technology transfer and utilization to increase productivity of Nepalese agriculture through use of world wide available best technologies	Liam BioChem International, Toronto, Canada
12:40-12:50	Summary	Dil Bahadur Gurung, Dr		Member, National Planning Commission, Nepal
	Poster	Jeevan Bahadur Shahi	Himalayan shrub Dhatelo and its clinical information	Dutelo Agro, Nepal
	Poster	Raju Pandey	Rearing beneficial insects for suppressing pest insect	Citrus Research Board, USA
12:50-13:50	Lunch			

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Symposium 2: Disaster Risk Reduction
14 October 2018, 08:15 - 12:50, Marva Hall

Session A: Disaster risk reduction policies and strategies, Chair: Mr Sushil Gyawali; moderation, Dr Netra Prakash Bhandary

Time		Speaker/Panelist	Topic	Institute
08:15-08:40	Tea & Networking			
08:40-09:00		Ganga Lal Tuladhar, Dr	Dimensions of Newly Formed Disaster Policy in Nepal	Former Minister of Education, Chair of High Level National Commission on Education, Nepal
09:00-09:15	Invited	Banshi Acharya, Mr	Disaster risk reduction policy in Nepal and implementation challenges	Under Secretary, Disaster Management Division, Ministry of Home Affairs
09:15-09:30	Invited	Moti Lal Rijal, Dr	Disaster risk reduction strategy in Chure-Terai region of Nepal	Member, President Chure-Terai Conservation Development Committee & Central Department of Geology, TU
09:30-09:45	Invited	Dinanath Bhandari, Mr	Linkage between climate change adaptation and disaster risk reduction strategy	Practical Action Nepal (Climate Change and DRR)
09:45-10:00	Invited	Surya Bahadur Thapa, Mr	Role of civil society network in disaster risk reduction activities	National Disaster Management Network of Nepal (DiMaNN)
10:00-10:15	Contributed	Madhu Sudan Acharya, Dr	An innovative green solution for the protection of landslides and erosion control in Nepal	University of Natural Resources and Life Science, Vienna, Austria
10:15-10:30	Contributed	Prashant Paudel, Mr	Agro-forestry as a measure to enhance drought adaptation	Agriculture and Forestry University
10:30-10:40	Q&A			
10:40-11:10	Tea break			

Session B: Earthquake, Chair: Mr Sushil Gyawali; moderation: Dr Netra Prakash Bhandary

Time		Speaker/Panelist	Topic	Institute
11:10-11:30	Invited	Surya Narayan Shrestha, Mr	Lesson and achievement from earthquake management in Nepal	Executive Member, National Society for Earthquake Technology (NSET)
11:30-11:50	Contributed	Peetambar Dahal, Dr	Immediately implementable complementary Dry-Chain intervention for disasters and normal periods	University of California, USA
11:50-12:05	Contributed	Mukti Suvedi, Mr	Critical success factors for post disaster housing reconstruction and recovery: A community perspective from central hills of Nepal	Humber College, Canada
12:05-12:40	Panel Discussion and Q&A			
12:40-12:50	Summary	Sushil Gyawali		CEO, Reconstruction Authority

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Symposium 3: Education				
14 October 2018, 13:50-18:10, Malshree Hall				
Session A: Working Towards Quality Education for All, Chair: Prof Mana Prasad Wagley				
Time	Invited	Speaker/Panelist	Topic	Institute
13:50-14:05	Invited	Kamal Lamichhane, Dr	Inclusion and human capital investment for sustainable development: evidence from some empirical studies on disability	The University of Tsukuba, Ibaraki, Japan
14:05-14:20	Invited	Hari Lamsal, Dr	Federalism and education policy in Nepal: challenges, dilemmas and opportunities	Joint Secretary, Ministry of Education, Government of Nepal
14:20-14:35	Invited	Swastika Shrestha and Shisir Khanal	Rethinking teacher development in Nepal	Teach for Nepal, Nepal
14:35-14:50	Contributed	Tejendra Pherali, Dr	The role of education in peacebuilding and social transformation	UCL Institute of Education, University College London, UK
14:50-14:55	Rapid Fire	Laba Prasad Tripathi	Concept of community based technical education and vocational training in developing basic level work force in Nepal	Ministry of Education, Science and Technology, Nepal
14:55-15:00	Rapid Fire	Sushma Basnet, Mrs	Domestic vs foreign degree: An overview of Nepalese student's motivations and experiences studying at UK educational institutions	Brunel University London, UK
15:00-15:05	Rapid Fire	Amrita Sharma	What's next? Perceptions of career among graduates in Nepal	School of Education, Kathmandu University, Nepal
15:05-15:25	Q&A			
15:25-15:30	Summary	Mana Prasad Wagley, Prof		Kathmandu University, Nepal
15:30-16:00	Tea break			

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Session B: Reforming Higher Education, Chair: Dr Gangalal Tuladhar				
Time		Speaker/Panelist	Topic	Institute
16:00-16:10	Contributed	Pramod Dhakal, Dr	Governance of innovation	NRNA Academy, Nepal
16:10-16:30	Invited	Shabnam Koirala-Azad, Prof Dr	Higher education system and entrepreneurial ecosystem of California: The lessons for reorganizing higher education in Nepal	University of San Francisco, USA
16:30-16:45	Contributed	Sriram Bhagut Mathe, Prof Dr	Establishment of world class universities in Nepal: Challenges and opportunities	Nepal Education Foundation-Consortium of Colleges, Nepal
16:45-17:00	Contributed	Drona Rasali, Dr	Reducing inequity in higher education for social justice in Nepal: How can diaspora Help?	Provincial Health Services Authority, BC, Canada
17:00-17:50	Panel Discussion and Q&A	Chaitanya Mishra, Prof Dr	Reforming higher education in Nepal	Tribhuvan University, Nepal
		Pratyoush Onta, Dr		Martin Chautari, Nepal
17:50-18:10	Summary	Gangalal Tuladhar, Dr		Former Minister of Education, Chair of High Level National Commission on Education, Nepal
18:10-19:10	Poster	Rhymes Shakti	An exploration of students' and teachers' experiences on new grading system secondary education examinations	Liverpool John Moores University, UK
19:10	Dinner			

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Symposium 4: Environmental Pollution
14 October 2018, 16:00-18:10, Malhar Hall

Chair: Er Ganesh Shah, Moderator: Dr Udhav Khadka

Time		Speaker/panelist	Topic	Institute
	Guest	Bidya Sundar Shakya, Mr		Mayor of Kathmandu Metropolitan city
16:00-16:20	Invited	Maheswar Rupakheti Dr, Yadav P Joshi Dr	Air pollution in Nepal: A major challenge to national development goals	SusKat, IASS, Berlin, Germany
16:20-16:25	Rapid Fire	Shila Maskey	Environmental effects of nanoparticle exposures: Development of a method for characterization of PM 2.5 produced from biomass burning	Department of Environmental Science, Patan Multiple Campus, Lalitpur, Nepal
16:25-16:30	Rapid Fire	Bhupendra Das	Municipal solid waste open burning and its impact on human health and climate in Nepal	Central Department of Environmental Science, Tribhuvan University, Kathmandu, Nepal
16:30-16:35	Rapid Fire	Shristi Shrestha	Assessment of indoor air pollution and associated health impacts in households equipped with and without biogas: A case from Amlekhganj, Nepal	Central Department of Environmental Science, Tribhuvan University, Kathmandu, Nepal
16:35-16:40	Rapid Fire	Ranjit Pariyar	In-vehicle air pollution of passenger vehicles in Kathmandu Valley	Central Department of Environmental Science, Tribhuvan University, Kathmandu, Nepal
16:40-16:45	Rapid Fire	Rashmita Shakya	Characterization of Ledachate and water samples collected from landfill sites and surrounding water bodies in Kathmandu	Central Department of Environmental Science, Tribhuvan University, Kathmandu, Nepal
16:45-16:55	Contributed	Nabin Aryal	Biogas upgrading technology in the context of Nepal	Biological and Chemical Engineering, Aarhus University, Høngvej 2, DK- 8200 Aarhus N, Denmark
16:55-17:00	Rapid Fire	Nirmal Babu Aryal	Qualitative and quantitative gap assessment of soil waste generation and Disposal in Kathmandu and Lalitpur of Nepal	Kathmandu University
17:00-17:05	Rapid Fire	Sandila Shrestha	Biogas production for organic waste management: A case study of canteen's organic waste management technical support center, Lalitpur, Nepal	Central Department of Environmental Science, Tribhuvan University, Kathmandu, Nepal
17:05-17:30	Contributed	Sher Bahadur Gurung	Quantification of nonpoint source pollution from urban catchments and evaluation of green technologies to reduce the negative impacts of urbanization	Kongju National University

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17:30-17:55	Panel Discussion and Q&A	Bhusan Tuladhar, Mr, Purna Subedi, Maheswar		UN-HABITAT, KATHMANDU, NEPAL
		Bishnu Chapagain, Dr		Nyayik Sansar, Asta Ja RDC, Kathmandu, Nepal
		BN Oli, Dr		Secretary of the Ministry of Forests and Environment
		Keshab Paudel, Dr		Medical Director at Lovelace Health System.
		Udhab Khadka, Dr		Asta Ja, RDC, Kathmandu Nepal
17:55-18:05		Bidya Sundar Shakya, Mr	Special Remarks	Mayor of Kathmandu Metropolitan city
18:05-18:10	Summary	Ganesh Shah, Er		
	Poster	Ashish Singh	Field evaluation of air quality sensor in the Kathmandu Valley	SusKat, IASS, Berlin, Germany
	Poster	Bhupendra Lama	Drinking water quality analysis, community survey and sanitary inspection of Gundu drinking water scheme, Bhaktapur, Nepal	Central Department of Microbiology, IOST, TU
	Poster	Durga D. Poudel, Arjun Aryal, Sahas Shrestha, Prem Bhandari, and Ajay Bhandari	Asta-Ja USA initiative for Kathmandu Valley environmental pollution control	Asta-Ja USA
	Poster	Keshav Parajuli, Dr	Kathmandu's persistent waste problem and how to tackle it	United Nations University, Germany
	Poster	Khadak Mahata	Making invisible visible-emerging ozone pollution in the Kathmandu Valley	SusKat, IASS, Berlin, Germany
	Poster	Maiya Pahari	Current status of solid waste management in Ratnanagar Municipality	Kathmandu University
	Poster	Sujan Sapkota	Impact of climate change on glaciers: A case study of Hidden Valley, Nepal	Kathmandu University
	Poster	Yadav P Joshi, Dr; Maheswar Rupakheti, Dr; Amod Pokhrel, Dr; Anobha Gurung, Dr; Rudra P Arya, Dr; Puru Shrestha, Dr	Air pollution in Nepal: A major challenge to National development goals	NRNA USA
	Poster	Rasmila Kawan, Parth Sarathi Mahapatra, Siva Praveen Puppala, Arnico K. Panday, Rainer Sauerborn	Biomass smoke effects on cardiovascular health of the women in rural villages of Lumbini, Nepal	ICIMOD, Khumaltar, Nepal, Heidelberg Institute of Global Health, University of Heidelberg, Germany
	Poster	Deepak Lohani, Yadav Prasad Joshi, Puru Shrestha	SaGa technology: An effective technique in organic waste management in Nepal	Organic Life, Lazimpat, Kathmandu, Nepal
19:10	Dinner			

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Symposium 5: Financial Policy and Investment
14 October 2018, 16:00-18:10, Marva Hall

Chair: Bhabani Rana, Moderator: Keshab KC

Time		Speaker/Panelist	Topic	Institute
16:00-16:20	Invited	Bhisma Raj Dhungana	Remittance and repatriation	Executive Director, Nepal Rastra Bank
16:20-16:40	Contributed	Ranjeet Mahato	Role of NRNs for FDI and joining Nepal into world's economy	Neapolis University Paphos, Cyprus
16:40-16:50	Contributed	Abhaya Poudel	FDI in Nepal, complication and way forward	Reanda Biz Serve, Kathmandu, Nepal
16:50-17:00	Contributed	Sunil Paudel	Foreign investment through capital market in Nepal: avenues, challenges and solution	Portfolio Manager / Analyst, National Merchant Banker limited
17:00-17:10	Contributed	LN Pandey	Improving reliability of the public financial system	Director, Asmita & Associates Ltd, London, UK
17:10-17:17	Rapid Fire	Sristi Tandukar	Analysis of climate finance	World Renew Nepal
17:17-17:22	Rapid Fire	Dila Kharel	One NCC one project one employment	Innovative Associates, Sydney, Australia
17:22-18:00	Panel Discussion and Q/A	Anal Raj Bhattarai		Ex-CEO, Sanima Bank and Businessman
		Mahesh Shrestha		City Expresss Group, Japan
		Maha Prasad Adhikari		CEO, Nepal Investment Board
		Rajendra Khetan		President, Nepal Britain Chamber of Commerce
18:00-18:10	Summary	Bhabani Rana		FNCCI, President
18:10-19:10	Poster			
19:10	Dinner			

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Symposium 6: Health Education and Policy				
14 October 2018, 8:15-12:50, Mashree Hall				
Session A: Dr Gunaraj Lohani, Moderator: Dr Binod Shah				
Time	Speaker	Topic	Institute	
08:15-08:40	Tea and networking			
08:40-09:00	Invited	Deepak Sapkota, Mr	Medical rehabilitation after natural disaster and post conflict	Executive Director, Karuna Foundation Nepal
09:00-09:15	Invited	Bisundev Mahato, Dr	Improving mental health of our communities: How Nepal and the USA can help each other	Greater Hudson Valley Health System (GHVHS), NY
09:15-09:30	Invited	Pan Bahadur Kshetry, Dr	Drug policy in Nepal	Orange Regional Medical Center, New York, USA
09:30-09:40	Contributed	Krishna prasad pathak	General practitioners' knowledge, practices, & obstacles in the diagnosis & management of dementia	Department of Neurology, Aristotle University of Thessaloniki, Greece
9:40 - 9:50	Contributed	Kiran Chandra Rayamajhi	Apitherapy : A science based capacity built up to improve sustainable public health in Nepal	Friends for peace building and development, Nepal
09:50-10:00	Contributed	Bharat Nepal	Pilot testing cardiac rehabilitation in Nepal	Australia Nepal Public Link Inc
10:00-10:10	Contributed	Dilli Banjade, Dr	Economic and societal benefits on investment and policy formulation in radiation Oncology Federal Nepal	Center West Cancer Care Center, Orange Hospital, Australia
10:10-10:15	Rapid Fire	Fanindra Panta	Significance of screening for red cell antibodies: a population study in the Nepal	Sanquin Blood Supply Foundation, Amsterdam, The Netherlands
10:15-10:20	Rapid Fire	Indira Tiwari, Dr	Status of assisted reproduction technology in Nepal	Grande city hospital, Kantipath Kathmandu, Nepal
10:20-10:25	Rapid Fire	Usa Jha	Drug abuse in Nepal	Swansea, UK
10:25-10:35	Q&A			
10:35-11:40	Summary	Gun Raj Lohani, Dr		Executive Director, Department of Health Services
11:40-11:10	Tea break			

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Session B: Medical Education in Nepal, Chair: Prof Bhagawan Koirala; moderator: Dr Archana Amatya				
11:10-11:30	Invited	Sheetal Bhandai Mr, Kedar Baral, Dr Prof	Medical education in Nepal: Way ahead	Rector, Patan Academy of Health Sciences
11:30-11:50	Invited	Jay Shah, Dr Prof	Access to equitable health services in federal Nepal	Patan Academy of Health Sciences
11:50-12:10	Invited	Malakh Lal Shrestha, Prof	Health Education and system: Lessons from Europe	Hannover Medical University (Medizinische Hochschule Hannover) Germany
12:10-12:40	Panel Discussion and Q&A	Dipendra Raman Singh, Dr		Chief, Public Health Administration, Monitoring and Evaluation Division, Ministry of Health and Population
		Mukti Ram Shrestha		President Nepal Medical Association
12:40-12:50	Summary	Bhagawan Koirala, Prof		Tribhuvan University, Teaching Hospital
	Poster	Krishna Prasad Pathak	Alzheimer's disease patients with depression: Rivastigmine and citalopram	Department of Neurology, Aristotle University of Thessaloniki, Greece
12:50-13:50	Lunch			

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Symposium 7: Hydropower, Transportation and Utilities
14 October 2018, 13:50-18:10, Megha Hall

Session A: Hydropower and Utilities, Moderator: Naresh Koirala

Time		Speaker/Panelist	Topic	Institute
13:50-14:00		Naresh Koirala, Mr	Introduction of session	Trenchless Consultant; NoDigSolutions; BC, Canada
14:00-14:25	Invited	Dipak Gyawali, Prof	Political economy of infrastructure development in Nepal: Impeding drivers and relief pathways	Former Minister of Water Resources, GoN; Nepal Academy of Science and Technology; Chair, Interdisciplinary Analysisist
14:25-14:50	Invited	Ram Manohar Shrestha, Prof	Hydropower development in Nepal: Opportunities, present pattern, challenges and policies	Professor Emeritus, Asian Institute of Technology, Bangkok, Thailand
14:50-15:15	Contributed	Naresh Koirala, Mr	Application of trenchless technology for installation of pipes and conduits	Trenchless Consultant; NoDigSolutions; BC, Canada
15:15-15:20	Rapid Fire	Rabin Dhakal, Mr	Prospects of off grid energy generation through low head screw turbine in Nepal, Kathmandu University, Tribhuvan University	Kathmandu University/Tribhuvan University
15:20-15:30	Q&A			
15:30-16:00	Tea break			
Session B: Transportation and Infrastructure, Moderator: Naresh Koirala				
16:00-16:05		Naresh Koirala, Mr	Introduction of session	Trenchless Consultant; NoDigSolutions; BC, Canada
16:05-16:35	Invited	Som Dutt Sharma, Mr	Delhi metro: a success story	Director, Business Development Delhi Metro
16:35-16:55	Invited	Birendra Bahadur Deoja, Mr	Infrastructure for accelerated development	Former Secretary Civil Aviation; Infrastructure Consultant
16:55-17:22	Rapid Fire	Partha Parajuli, Dr	Smart Traffic lights for smart cities of Kathmandu Valley	Sustainable transport and Traffic Solutions Australia
17:22-17:29	Rapid Fire	Madhu Sudan Acharya, Dr	Sustainable public transportation for Kathmandu a model from Vienna, Austria	University of Natural Resources and Life Sciences, Vienna, Austria
17:29-17:36	Rapid Fire	Tharka Sen, Mr	Transport and traffic: Road safety	Gurkha School of Motoring, UK
17:36-18:00	Panel discussion/Q &A	Keshab Kumar Sharma, Er		Joint Secretary, Ministry of Physical Infrastructure and Transport
		Prakash Bhakta Upadhyaya, Er		Former Spokesperson, Department of Railways
		Sushil Bhatta, Er		Member, National Planning Commission
		Tulasi Prasad Sitaula, Mr		National Coordinator, Office of the Millennium Challenge Nepal
18:00-18:10	Summary	Naresh Koirala, Mr		Trenchless Consultant; NoDigSolutions; BC, Canada
	Poster	Narad Bhandari, Mr	Role of effective project engineering and assurance process for railway infrastructure projects	Network Rail, London, UK
19:10	Dinner			

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Symposium 8: New Frontiers in Physical Sciences and Prosperity
13 October 2018, 16:00-18:10, Malshree Hall

Session Chair: Prof Dr Tirtha Raj Khaniya, Moderetor: Prof Narayan Adhikari

Time		Speaker/Panelist	Topic	Institute
16:00-16:25	Invited	Fernando Quevedo, Prof	Development of fundamental science: way to reduce brain drain in developing countries like Nepal	Director, International Center For Theoretical Physics, Italy
16:25-16:45	Invited	Bhadra Man Tuladhar, Prof	Science, technology and development	Kathmandu University, Nepal
16:45-17:00	Contributed	Bishal Sitoula, Prof	Need for personal transformation in changing Nepal	Norwegian University of Life Science, Norway
17:00-17:10	Contributed	Tara Sigdel, Dr	Harnessing expertise from diaspora and "Big Data" resources in biomedicine for training youth in Nepal	University of California, San Francisco, USA
17:10-17:20	Contributed	Dhaka Ram Bhandari, Dr	Biodiversity, bioresources and development advancing EDM	Justus Liebig University Giessen, Korea
17:20-17:25	Rapid Fire	Madhav Prasad Ghimire, Manuel Richter	Chemical gating of a weak topological insulator	IFW-Dresden, Germany, & Central Department of Physics, Tribhuvan University, Kirtipur, Nepal
17:25-17:30	Rapid Fire	Nashir Ahamad, Mr	Simulation of electric field distribution using COSMOL multiphysics	Indian Institute of Technology, Kanpur, India
17:30-17:35	Rapid Fire	Deependra Parajuli	Entrepreneurship course for scientists and engineers	Department of Physics, College of Science & Technology, Andhra University, Visakhapatnam, India
17:35-18:00	Panel Discussion	Suresh Raj Sharma, Prof		Founding Vice Chancellor, Kathmandu University, Nepal
		Pradeep Pradhan, Prof		Tribhuvan University, Nepal
		Lalu Poudel, Prof		Central Department of Geology, Tribhuvan University, Nepal
		Rajani Malla, Prof		Central Department Of Biotechnology, Tribhuvan University, Kirtipur, Nepal
18:00-18:10	Summary	Tirtha Raj Khaniya, Prof	To be confirmed	Vice Chancellor, Tribhuvan University, Nepal
	Poster	Bhojraj Bhandari	An experimental study on phase transition behavior of $(\text{Ba}_{1-x}\text{Mg}_x)\text{TiO}_3$ ($x= 0.04$ & 0.08) ceramics	Department of Physics, GoldenGate International College; Institute of Engineering, Pulchowk
	Poster	Deepak Pandey	Transport properties of valine in water at different temperatures	Central Department of Physics, Tribhuvan University
	Poster	Deependra Parajuli	Investigations on Mxene as topological insulator	Department of Physics, College of Science & Technology, Andhra University, Visakhapatnam, India

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	Poster	Deependra Parajuli	Status of material science, technology and electron microscopy in Nepal	Department of Physics, College of Science & Technology, Andhra University, Visakhapatnam, India
	Poster	Dinesh Kumar Yadav	Co-operative effects of electron-correlation and spin-orbit coupling in double Perovskites SrLaBB'O6 (B=Ni, Fe; B'=Os, Ru)	Central Department of Physics, Tribhuvan University, Nepal & Condensed Matter Physics Research Center, Butwal, Nepal
	Poster	Mukunda K.C and Jeewan Jyoti Nakarmi	Theoretical study of magnetic field generation due to ponderomotive force in plasma	Department of Physics GoldenGate International College, Kathmandu, Nepal
	Poster	Nashir Ahamad	Advancing EDM through simulation of electric field distribution using different dielectric systems on COMSOL multiphysics software and reducing overcut between tool and workpiece	Indian Institute of Technology, Kanpur, India
	Poster	Nirmala Adhikari	Structural, electronic and magnetic properties of perovskites $KTa_{1-x}Mn_xO_3$; ($x = 0, 0.50, 0.67$)	Central Department of Physics, Tribhuvan University
	Poster	Rajendra Prasad Koirala	Molecular interaction of O 6-methylguanine base of DNA with DNA repair protein AGT	Central Department of Physics, Tribhuvan University
	Poster	Saran Lamichhane	Molecular adsorption of CO and NO on Graphene/MoS2 heterostructure	Central Department of Physics, Tribhuvan University
	Poster	Sashi Nepal	Effect of Cr doping on electronic and magnetic properties of inverse heusler alloy Mn2CoGa	Central Department of Physics, Tribhuvan University
	Poster	Shyam Prakash Khanal	Molecular dynamics study of diffusion of amoxicillin in water	Central Department of Physics, Tribhuvan University
19:10	Dinner			

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Symposium 9: Social Security and Good Governance				
14 October 2018, 13:50-15:30, Marva Hall				
Session Chair: Dr Som Lal Subedi				
Time		Speaker/Panelist	Topic	Institute
13:50-14:10	Contributed	Prakash Dahal	Current social security policy of Nepal Government	Joint Secretary, Ministry of Labor, Employment and Security
14:10-14:30	Contributed	Damru B Paudel, Dr	Resource management in social security	Under Secretary, Ministry of Foreign Affairs, Nepal
14:30-14:40	Contributed	Shiva Hari Dahal, Dr	Why Nepal is poor?	ACAS (Asia Conflict and Security) Consulting George Mason University
14:40-14:47	Rapid Fire	Baburaja Maharjan	Concept paper: Fighting against corruption	NRNA NZ founding president
14:47-14:54		Indira Tripathi	Role of NRN for the economic empowerment to Nepalese women	NRNA NCC, USA
14:54-15:00	Rapid Fire	Bibek Kumar Pandit	Planning local Governance: Thinking globally, acting locally	Kathmandu University
15:00-15:10	Rapid Fire	Kush Raj Shrestha, Dr	Nepal medical exchange program- Orthopedic and Trauma	Royal Darwin Hospital, NT, Australia
15:10-15:20	Q&A			
15:20-15:30	Summary	Som Lal Subedi, Dr	Social security perspective of Nepal	Former chief secretary of Government of Nepal
15:30-16:00	Tea break			

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Symposium 10: Sustainable Energy
14 October 2018, 08:15-12:50, Madhavi Hall

Session A: Energy Policies and Economics, Moderator: Dr Pramod Dhakal

Time		Speaker/Panelist	Topic	Institute
08:15-08:40	Tea and networking			
08:40-09:00	Invited	Govinda Timilsina, Dr	Hydropower for sustainable energy supply and economic development in Nepal	World Bank
09:00-09:20	Invited	Jiwan Mallik, Mr	Prospects and future of utility scale solar PV in Nepal	Alternative Energy Promotion Center, Nepal
09:20 - 9:40	Invited	Kushal Gurung, Mr	Prospects of wind power in Nepal	Windpower Pvt. Ltd., Nepal
09:40-09:45	Rapid Fire	Ramhari Poudyal, Mr	Energy crisis of Nepal and sustainable solutions	Swansea University, UK
09:45-09:50	Rapid Fire	Pawan Dhakal, Mr	Vocational and skill training for hydropower development in Nepal	Nepal
09:50-09:55	Rapid Fire	Vijay Jaishwal, Mr	Growth and environmental sustainability in SAARC: A regional initiative	Kathmandu University School of Law, Nepal
09:55-10:35	Panel Discussion and Q&A	Sunil Lohani, Prof	Issues related to energy economics and policies in Nepal	Kathmandu University, Nepal
10:35-10:40	Summary	Pramod Dhakal Dr		

Tea Break

Session B: Clean Energy Production, Moderator: Surya Lamsal

Time		Speaker/Panelist	Topic	Institute
11:10-11:30	Invited	Govinda Raj Pokharel, Prof	Promoting clean energy in Nepal	Former Vice Chairperson, National Planning Commission, Nepal
11:30-11:50	Invited	Ram Manohar Shrestha, Prof	Energy security and hydropower development issues in Nepal	Asian Institute of Technology, Bangkok, Thailand
11:50-12:10	Invited	Surya Lamsal, Mr	Infrastructure development for sustainable power supply in Nepal	New York Power Authority
12:10-12:20	Contributed	Badri KC, Dr	Energy efficiency program: A gift from diaspora to Nepal	General Secretary, NRNA ICC
12:20-12:45	Panel Discussion and Q&A	Sunil Lohani, Prof	Issues related to energy economics and policies in Nepal	Kathmandu University, Nepal
12:45-12:50	Summary	Surya Lamsal, Mr		

Lunch

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Symposium 11: Technology Transfer and Innovation

14 October, 08:15-12:50, Malhar Hall

Session A: Opportunities in Innovation and Technology Transfer, Moderator: Dr Rameshwor Adhikari

Time		Speaker/Panelist	Topic	Institute
08:15-08:40	Tea and networking			
08:40-08:55	Contributed	Dinesh Kumar Gautam, Dr	Challenges and Opportunities of Technology Transfer in Nepal	Executive Director, Probiotech Industries Pvt. Ltd.
08:55-09:15	Invited	Hom Bahadur Basnet, Prof Dr	Role of Technology in Poultry Industry	President, Nepal Poultry Entrepreneurs Forum
09:15-09:35		Sudhakar Jayaram	Medical tourism in Nepal	CEO, Medicity Hospital
09:35-09:45	Contributed	Ravindra M. Sapkota, Dr	Shikhar BioTch-Antibody production-A spin-off company of the British-Nepali venture Everest Biotech Limited, UK	Shikhar Biotech, Kathmandu, Nepal
09:45-09:55	Contributed	Yogan Khatri, Dr	Fair haired diasporic dandelion fluffs to bridge nation's scientific innovation through technology transfer	University of Illinois, USA, Research Fellow, Life Sciences Institute, University of Michigan, USA
09:55-10:05	Contributed	Rajendra P Pangeni, Mr	Transferring innovation in cancer research, diagnosis and treatment through research driven academic institution in Nepal	Dept of Surgery, City of hope medical centre, CA, USA
10:05-10:15	Contributed	Basant Giri	Development of appropriate low cost technologies for quality screening of food, water, and medicines	Center for Analytical Sciences, Kathmandu Institute of Applied Sciences
10:15-10:25	Contributed	Bimal Bastola	Plastic waste management and utilization through construction of plastic-mixed roads, bricks and flooring tiles	Green Road Waste Management Pvt. Ltd
10:25-10:35	Contributed	Varun Amatya	E-governance based system architecture and its effectiveness in Nepalese civil service	NA
10:35-10:40	Summary	Rameshwor Adhikari, Dr		RMIT University, Australia
10.40-11.10	Tea Break			
Session B: Emerging Technologies and Investor perspectives, Moderator: Dr Raju Adhikari				
11.10-11:30	Invited	Habib Torfi, Dr	How Stem Cells Shape our Lives	CEO & Chairperson Invitrx Therapeutics, CA, USA
11.30-11.50	Invited	Ajaya Bahadur Pradhananga, Dr	Herbs and agro based enterprise in Nepal	Co-founder, Himalayan Climate Initiative. Kathmandu, Nepal
11.50-12:00	Contributed	Rishi Ram Chapagai, Mr	Intellectual property of research center and university: technology transfer, performance and policy implications in Nepal	Boston International College, Chitwan, Nepal
12.00-12.10	Contributed	Daman Ghale	Eye pollution in Kathmandu	CEO, Nepal Eye Hospital, Kathmandu, Nepal

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12.10-12.20	Contributed	Shashi Bhattarai	A story of 15 years of bridging knowledge from Nepal to World	Cofounder and chair, Knowledge Holding International
12:20-12:25	Contributed	Kishor Vaidya, Dr	Learning by role modeling: 10 little known business secrets of the most successful diaspora entrepreneurs	University of Canberra, Australia
12:25-12:30	Rapid Fire	Nabin N Munankarmi, Mr	BSN and its role in promotion, development and awareness of biotechnology and life science in Nepal	President, Biotechnology Society of Nepal (BSN), Nepal
12:30-12:35	Rapid Fire	Pashupati Pandey	Experts database, mentoring and internship opportunities with other sustainable short term and long term projects	NRNA, NCC, USA
12:35-12:50	Discussion and Summary	Raju Adhikari, Dr		RECAST, Tribhuvan University, Nepal
12:50-13:50	Lunch			

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**Focused Session 1: Agro-Food Innovation Supercluster
14 October 2018, 13:50-15:30, Malhar Hall**

**Chair: Hon. Mr. Chakra Pani Khanal, Minister of Agriculture & Livestock Development, Moderator:
Mr Bikash Bidari / Ms. Manju Chhetri**

Time	Time	Speaker/Panelist	Topic	Instituion
13:50-13:55		Mahabir Pun, Mr	Session Introduction	National Innovation Center, Chairperson
13:55-14:10	Invited	Yogendra Kumar Karki and Shanker Sapkota	Agro-food innovation policies	Joint Secretary, Ministry of Agriculture & Livestock Development / Information Officer
14:10-14:25	Invited	Narayan Ghimire, Mr	Agro-food innovation supercluster in Nepal	Technical Manager, Scientific Innovation, Flavorcan International Inc, Toronto, Canada
14:25-14:35	Contributed	Tilak Bhandari	Rubber farming potential & economic sustainability	Executive Director, Institute of Rubber and Jathropa Research, Nepal
14:35-15:00	Panel Discussion	Dev Bhakta Shakya, Dr		EX. Director Agro Enterprise Center Nepal
		Hikmat Thapa, Mr		NRNA – Food Scientist / Entrepreneurships Development Expert. Senior GM Dagote Group Africa
		Matina Vaidhya, Dr		Department of Food Quality Control (DFQC)
		Poorna Kanta Adhikari, Dr		Director, Gorkha Ayurveda, Chairperson
		Shekhar Golchha, Mr		Senior Vice President, FNCCI, Nepal
15:00-15:20	Q&A			
15:20-15:30	Summary	Mr Chakra Pani Khanal	Closing Remarks	Hon. Minister of Agriculture & Livestock Development
15:30-16:00	Teak break			

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**Focused Session 2, 3: Returnee Professionals, Scholarship and Research Funding
14 October, 13:50-19:10, Madhavi Hall**

**Session A: Returnee Professionals, Opportunities Seen and Challenges Faced in Nepal, Moderator:
Dr. Devi B Basnet**

Time	Speaker	Speaker	Topic	Institute
13:50-14:00	Speaker	Narayan Adhikari, Prof	Experience of establishing a world-class research laboratory in Nepal - How diaspora can contribute	Central Department of Physics, Tribhuvan University, Germany Returnee
14:00-14:10	Speaker	Prajwal Rajbhandari, Mr	Opportunity and challenges faced by Nepali researchers and scientists to kickstart and run a research institute in Nepal	Research Institute for Bioscience & Biotechnology
14:10-14:20	Speaker	Rabindra Dhakal, Dr	The knowledge and skill transfer using different appropriate technologies to the communities and academic sectors: Scope for global networking	Nepal Academy of Science and Technology, Nepal, Japan Returnee
14:20-14:30	Speaker	Merina Ranjit	TBA	COO, Chaudhary Foundation, Returnee NSU
14:30-14:40	Speaker	Pratik Adhikari, Dr	Migration for development: Skill transfer, employability and entrepreneurship of returnee labour migrants in Nepal	Manmohan Memorial Institute of Health Sciences, Kathmandu, Nepal
14:40-14:50	Speaker	Mohan Shrestha, Mr	Transferring skills learned in Middle East to Nepal	President, Mayur Yatayat Pvt. Ltd.
14:50-15:00	Speaker	Binod Ghimire, Mr	Bringing farming skills from Israel to Nepal	Returnee farmer from Israel
15:00-15:10		Pasma Dahal JHA, Mrs	Knowledge exchange between Germany and Nepal	Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH
15:10-15:30	Discussion and Q&A			
15:30-16:00	Tea break			

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Session B: Scholarship and Research Funding, Moderator: Dr. Nabin Dahal/Dr Hari Dahal				
Time		Speaker	Topic	Institute
16:00-16:15	Speaker	Rewati Prasad Parajuli, Mr	Overview of overseas scholarships and fellowships program	Under Secretary, Scholarship Section, Ministry of Education, Nepal
16:15-16:25	Speaker	Deepak Kumar Khadka, Dr	Prospecting research funding in higher education of Nepal	University Grant Commission
16:25-16:35	Speaker	Ramila Raut, Mrs	Research funding opportunities offered by NAST	Nepal Academy of Science and Technology
16:35-16:45	Speaker	Kabita Thapa, Ms	DAAD fellowship for academic exchange between Germany and Nepal	Representative from German embassy Nepal
16:45-16:55	Speaker	Sunita Gurung	Australian scholarship and fellowship	Australian Embassy, Nepal
16:55-17:05	Speaker	Ranjan Prakash Shrestha, Mr	Erasmus Mundus program, European Union Nepal mission	European Union
17:05-17:15	Speaker	Saurav Dhakal, Mr	Netherlands Fellowship Program (NFP) for developing country	Netherlands embassy, Kathmandu, Nepal
17:15-17:25	Speaker	Kishor Shakya, Mr	Activities of AIT Alumni	AIT Alumni in Kathmandu, Nepal
17:25-17:35	Speaker	Nahendra Pradhan, Mr	Activities of Russian Alumni	Russian Alumni, Kathmandu, Nepal
17:35-17:40	Speaker	Umed Pun	Activities of Nepal JSPS Association	Nepal JSPS Alumni Association (NJAA)
17:40-18:10	Discussion and Q&A			
18:10-19:10	Poster			
19:10	Dinner			

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Focused Session 4: Innovation and Private Investments

13 October, 19:130-21:10, Marva Hall

Moerator: Dr Hari Prasad Dahal

Time		Speaker/Panelist	Topic	Institute
19:30-19:35	Introduction	Hari Prasad Dahal, Dr		American Physical Society
19:35-19:50	Contributed	Manoj Adhikari, Mr	Security through technology	Tribhuvan University, Kathmandu, Nepal
19:50-20:05	Contributed	Hanna Yim, Ms	The Need for enabling remittances as a critical source of development finance for Nepali migrant workers in South Korea	Korea International Cooperation Agency (KOICA)
20:05-20:20	Contributed	Tara Sigdel, Dr	Establishing a “biobank” in Nepal that will serve as a resource of clinical specimen to the rest of the world	University of California, San Francisco, USA
20:20-20:35	Contributed	Ram Rimal & Laxman Rimal	Voting machine and public transport management	Technology sales, Lazimpat, Nepal
20:35-21:00	Discussion and Q&A	Badri KC, Dr		General Secretary, NRNA ICC
		Bhaban Bhatta, Mr		President, NRNA ICC
		Chandra Dhakal, Mr		Chairman, Global IME Bank Ltd.
		Gouri Joshi, Mr		DRC, NRNA
		Jiba Lamichhane, Mr		Promotor, Sanima Group of Companies, Nepal & Ex-president/patron, NRNA
		Kul Acharya, Mr		Vice-Presidnet, NRNA ICC
		Kumar Panta, Mr		Vice-Presidnet, NRNA ICC
		Mahesh Shrestha, Mr		City Expresss Group, Japan
		Rajendra Khetan, Mr		President, Nepal Britain Chamber of Commerce
		Upendra Mahato, Dr		Founder President, NRNA
21:00-21:10	Summary	Hari Dahal		American Physical Society