

Day of arrival		June 6		
Arrival and registration of participants	15:00 - 17:00	O.I.T.A.F. General Assembly (for members only)		
	19:00	Opening and welcome by the President of O.I.T.A.F and welcome reception/dinner		
Session 1 and 2		June 7		
	08:00 - 09:00	Registration of participants		
Opening	09:00 - 09:25	Welcome address Governor Arno Kompatscher and Florian Mussner , Provincial Councilor for Mobility		
	09:25 - 09:45	Welcome, opening and presentation of the work committees O.I.T.A.F. President Martin Leitner		
Session 1 "Development of ropeways in urban and tourism applications"	09:45 - 10:15	Comparison between ropeway systems and other public transport systems – the example of Toulouse Keynote speaker Cyril Ladier Project Manager of the Toulouse ropeway project for public transport	After introducing the project area in Toulouse, all the different solutions studied (roads, bridges, subway, light rail...) will be presented and compared. Then the cable car projects studied (with the different technologies) will be explained and the chosen project will be detailed.	
	10:15 - 10:45	Mi Teleferico, La Paz/El Alto (Bolivia) – a success story César Dockweiler CEO of the public enterprise Mi Teleferico from La Paz	La Paz/El Alto, Bolivia, implements the biggest ropeway-based urban transit system worldwide. The presentation gives an overview of design, construction and operation and reports on experiences made with regard to concrete impacts and benefits for the local population.	
	10:45 - 11:15	Coffee break		
	11:15 - 11:45	Medellin's Metrocables, economic and social aspects Jorge Ramos Chief of Aerial Cables Metro de Medellín Ltda.		
	11:45 - 12:00	Ropeway investments create prosperity in the Alps Peter Schröcksnadel Entrepreneur, ski resort developer, President of the Austrian Ski Federation (ÖSV)	The presentation discusses the impact of ropeway investments on employment, the economy, tourism, sports, regional infrastructure and migration to urban areas.	
	12:00 - 12:15	Grow or perish? The growth challenge for Europe's ski resorts Klaus Grabler CEO of MANOVA GmbH	Skiing demand is stagnating at present. In parallel, costs and investment pressures on ski resorts increase which, as a result, can only survive by rising prices. The presentation explores potential alternative growth strategies and highlights levers that can boost demand again.	
	12:15 - 12:30	Discussion		
	12:30 - 14:00	Lunch break		
Session 2 "Operation of ropeways: Technical and economic aspects"	14:00 - 14:30	Objective risk – personal perception Keynote speaker Manfred Müller Lufthansa aircraft captain and instructor for risk management	Despite enormous achievements in engineering and computer science the human operator is still extremely important when a complex process requires a high safety level. Humans make mistakes, however optimum team interaction can identify and correct human errors and is an important tool for risk management.	
	14:30 - 14:45	Continuous Motion, Constant Emotion - How to operate 365 days a year Diego Scofano Mechanical Engineer, Technical Director at Sugar Loaf Cable Car in Rio de Janeiro Giuseppe Pellegrini Mechanical Engineer, Director of Engineering at Sugar Loaf Cable Car in Rio de Janeiro	Report on the operational experience of the Cia Caminho Aéreo Pão de Açúcar that manages the Sugar Loaf Cable Car. The care and maintenance routines ensure availability over 99.5% with operations on every day of the year.	
	14:45 - 15:05	Seasonality – what is seasonality? Paths to year-round operation in mountain destinations Michael Volgger Senior Researcher at the Institute for Regional Development and Location Management at Eurac research and Senior Lecturer at Curtin University Harald Pechlaner Head of Institute at the Institute for Regional Development and Location Management at Eurac research; Chair in Tourism at the Catholic University of Eichstätt-Ingolstadt Gerhard Vanzi Senior Research Affiliate at the Institute for Regional Development and Location Management at Eurac research	By looking at the case example of the UNESCO World Heritage Site and tourism destination of Dolomites in Italy, the presentation provides some concrete tools and models that support product design in mountain destinations in order to reach a stepwise extension from mainly winter-focused towards year-round operations.	
	15:05 - 15:30	A tool for controlling risks in ropeway operation: the safety management system Gaëtan Rioult Head of the Ropeway Division of STRMTG (Service technique des remontées mécaniques et des transports guidés) - Directorate General for Infrastructure, Transport and the Sea (France)	The analysis of ropeway accidents shows that organizational and human factors related to employees regularly play a role in the course of such events. The objective of the presentation is to demonstrate the usefulness of safety management systems and to illustrate the potentials of this tool by specific examples.	
	15:30 - 16:00	Coffee break		
	16:00 - 16:15	Digitization: The key to raising efficiency Michael Arnold Responsibility for SisControl, SISAG	The tourism and ropeway industry faces extremely high pressures today and tomorrow. This requires instruments, such as software tools, that make operations more effective, faster and more flexible. This can be achieved to a large extent by the consistent and smart digitization data and by networking them.	
	16:15 - 16:35	Driverless operation of ropeways Thibault Chatelus Ropeway Division of STRMTG (Service technique des remontées mécaniques et des transports guidés) - Directorate General for Infrastructure, Transport and the Sea (France)	The contribution presents the analyses performed in recent years in France and the findings obtained for the operation of ropeways without permanently present operating staff. Concrete examples are used to highlight the issues requiring particular attention during the construction and operation of such systems.	
	16:35 - 16:50	Ropeways in Sochi - experiences during operations Vladimir Chernyshev Deputy Head of Department of State Construction Supervision, Federal Environmental, Industrial and Nuclear Supervision Service (Rostekhnadzor).	It was a challenge to guarantee the smooth and safe operation of the ropeways in Sochi as a large number of lifts were built in a short time span. Experiences while in operation, organization of supervisory authority, safety issues and outlook to the future of the ski resort and the ropeway fleet.	
	16:50 - 17:10	Climate change: A challenge for ski resorts Pierre Lestas General Manager of La Clusaz (Haute-Savoie, France), President of Domaines skiabiles de France, the association of French ropeway and ski resort operators, President of FIANET (International Federation of Ropeway Operators)	People living in mountain regions have always managed to cope with difficulties. The uncertainty of snow conditions is one of them. But now they also have to come to terms with climate change.	
	17:10 - 17:25	A dream of the "O.I.T.A.F. Congress 2053" Pier Giorgio Graziano Former technical director of the ropeway manufacturer Agudio, head of the Working Group "Material transport ropeways and cable cranes" of O.I.T.A.F., amateur novelist	A fictitious dream voyage to the year 2053 when the O.I.T.A.F Congress again takes place in Bolzano: This provides an occasion for looking back to 2017 and remembering the then O.I.T.A.F. Congress. In the course of the Congress, a ropeway packed with of exciting innovations that was initiated by O.I.T.A.F. and built in a joint effort of all the manufacturers is inaugurated.	
			Alternative speech: Dynamic analysis and simulation of rope-rod structures of ropeways based on discrete presentation and successive approximation algorithm David Pataraia Former professor of Georgian Technical University	This simulation serves for studying the oscillation dynamics of long rope spans.
		17:35 - 18:00	Discussion	
	Evening program	Visit to and dinner at the Messner Mountain Museum		
Session 3 and 4		June 8		
	9:00 - 9:30	Holidays in the mountains - future trends Keynote-Speaker Ulf Sonntag Head of Market Research of the NIT - Institute for Tourism and Spa Research in Northern Europe	After a brief look at global tourist flows and their development, the presentation discusses travel behaviors, demands and requirements of international tourists from important source markets as well as the resulting conclusions and trends for holidays in the mountains and ropeway utilization.	
	9:30 - 10:15	Taking jig-back ropeways to the limit Iwan Bissig Garaventa AG CCC – The City Cable Car illustrated by the example of Wälderbahn		

		Peter Luger Doppelmayr Seilbahnen	
10:15 - 11:00		State of the art of the 3S technology Giorgio Pilotti Leitner Design and production of high-tech components of cableway vehicles Claudio Tonetta Leitner New challenges of O&M related to Urban and Tourism Ropeways Michael Fauche Poma	
11:00-11:30		Coffee break	
11:30 - 11:45		Latest findings on the possibilities and limitations of visual rope inspection Marina Härterl Institute of Mechanical Handling and Logistics, University of Stuttgart	For the first time, findings and ratios are presented for the factors influencing the results of visual rope inspections. A new evaluation system developed makes it possible to give a quantitative assessment of those risk factors.
11:45 - 12:00		Performance analysis of open magneto-inductive detectors Aldo Canova Department of Energy, Polytechnic University of Turin Regina Lamedica, Ezio Santini Department of Aeronautics, Electrical and Energetics Engineering, Sapienza University (Rome) Ettore Pedrotti LA.T.I.F. (Technological Ropeway Laboratory), Office of Ropeways and Ski Slopes, Autonomous Province of Trento Andrea Cernigoi, Boris Sosic Department of Engineering and Architecture, University of Trieste	Results of research to assess the performance of an "open" instrument for the MRT testing of ropes in terms of magnetization and magnetic flux leakage detection.
12:00-12:10		Using fiber ropes in ropeway installation Konstantin Kühner Institute of Mechanical Handling and Logistics, University of Stuttgart	Modern high-strength fiber ropes can offer major advantages during the installation of ropeways in rough terrain: they can be directly transported by helicopter and permit the direct mounting of the heavy main rope. But how can this be done safely when there are hardly any experiences available for this application? The contribution presents the path from the first idea and accompanying laboratory tests to the implementation of an innovative hoist.
12:10 - 12:30		Discussion	
12:30 - 14:00		Lunch break	
14:00 - 14:30		The future of urban cableways - dealing with an urgent challenge in Europe Keynote speaker Heiner Monheim Transport expert, emeritus professor of applied geography, urban and regional development and spatial planning at the University of Trier, and partner in raumkom - Institute of Regional Development and Communication, Trier/Bonn/Malente	Experiences made in current urban ropeway projects, problems of integrating them into public transport systems and the urban fabric, conclusions drawn on the basis of system comparisons for sensible fields of application, typical problems arising during implementation.
14:30 - 14:50		The green side of a ropeway company - the example of Schmitenhöhebahn AG/Zell am See, the only ropeway operator certified under EMAS worldwide Erich Egger CEO of Schmitenhöhebahn AG	It is up to each ropeway operator to make a contribution to balancing the diverse interests at the interface between ecology and the economy. The presentation focuses on practical examples and on how they are reflected in communications.
14:50 - 15:05		On the natural advantages of a ropeway project. Hangursbanen, Voss- Norway Kåre Flatlandsmo Project manager of the Norwegian R&D program "Safety of Aerial Ropeways"	The concept of ecosystem services is used to estimate, in economic terms, the ecological advantage of placing the lower station of an aerial ropeway project literally right next to a busy railway station.
15:05-15:20		Trends in North American urban cable - 2016 Mike Deiparine Professional Engineer, Senior Project Manager, Engineering Specialties Group Jim Fletcher Professional Engineer, Fellow ASCE, Senior Consultant, Engineering Specialties Group	Evaluation of the history and current developments of urban cable in North America. It will discuss the recent trends, the concerns and the opportunities seen for this market.
15:20 - 16:15		Coffee break	
16:15-16:30		The Dolomites - an admirable region Sandro Lazzari Active in the ropeway industry since the 1960s, first in Val Gardena and then in the Fassa Valley. President of A.N.E.F. from 1993 to 2014. President of FIANET (International Federation of Ropeway Operators) for nine years. Member of O.I.T.A.F.'s Management Committee since 1993, President of Dolomiti Superski for nine years	This region that is ideal for ropeways and lifts is a role model of a well-functioning ropeway industry that established an integrated economic chain from production to application and, at the same time, is the driver of an extensive supply industry that stands out by continuous innovation and a strong focus on sustainability.
16:30 - 16:40		Presentation of the students' workshop of the universities of Innsbruck and Bolzano	
16:40 - 17:10		The ecological footprint of a ropeway in urban transport areas Klaus Erharter Technical Director, Leitner Ropeways	The ecological sustainability of investment projects plays a more and more important role in decision-making processes. The paper presents the ecological footprint of a ropeway across its life cycle and a comparison with a traditional mode of transport. The ecological sustainability of a ropeway can be calculated on the basis of statistical data by inputting a few parameters into a calculation tool.
17:10 - 17:40		Presentation on the sustainability of ropeways Jessica Gürth	
17:40- 18:00		Discussion	
Evening		Gala evening at Kurhaus Meran	
Excursion day			
June 9			
	10:00	Excursion to the Ritten: Ropeway ride from Bolzano to Oberbozen, tour of the railway depot in Oberbozen, technical presentation, ride on the narrow-gauge train to Klobenstein (optional), gondola lift ride to Rittnerhorn (optional)	
	13:00	Lunch	
		Free afternoon	
	20:00-22:00	Public session: Ropeway history Uphill, the history of ropeways South Tyrol: The First Aerial Ropeways (Wittfrida Mitterer) Italy: The First Hundred Years of Ropeway Installations 1850-1950 (Giuliano Zannotti) Switzerland: "Mechanization takes command " (Karin Zaugg) Germany: The Company A. Bleichert & Co. Leipzig and the Contract Bleichert-Zuegg (Manfred Hötzel) Presentation: Gerd Staffler, Curatorium for technical heritage	