
SCHEDULE OF LECTURES

Sections

- Section A** Riemannian and Lorentzian manifolds
Organizer: János Szenthe
- Section B** Geometry of submanifolds
Organizer: László Verhóczy
- Section C** Lie groups and symmetric spaces, Lie theory of loops
Organizer: Péter T. Nagy
- Section D** Finsler geometry and its applications
Organizer: László Kozma
- Section E** Applications in physics
Organizer: Zsolt Horváth
- Section F** Various topics
Organizer: Péter T. Nagy

LH1 = Lecture hall 1

LH2 = Lecture hall 2

Monday		Tuesday		Wednesday		Thursday		Friday	
LH1	LH2	LH1	LH2	LH1	LH2	LH1	LH2	LH1	LH2
		A	E	A	E	B	C	A	F
<i>Coffee break</i>		<i>Coffee break</i>		<i>Coffee break</i>		<i>Coffee break</i>		<i>Coffee break</i>	
A	D	A	E	A	E	B	F	A	C
<i>Lunch break</i>		<i>Lunch break</i>		<i>Lunch</i>		<i>Lunch break</i>		<i>Lunch break</i>	
A	C	A	B			B	D	A	E
<i>Coffee break</i>		<i>Coffee break</i>				<i>Coffee break</i>			
A	F	A	B			C	D		

Monday, August 29

	Lecture hall 1	Lecture hall 2
9:00 – 9:20	Opening ceremony	
9:20 – 10:10	G. Thorbergsson Variationally complete actions	
10:10 – 10:40	<i>Coffee break</i>	
10:40 – 11:05	M. Bengtsson Metrics of 5-dimensional open manifolds of nonnegative curvature and 3-dimensional soul	L. Tamássy Quasilinear connections in TM for Randers spaces
11:10 – 11:35	S. Nikčević Curvature homogeneous 3-dimensional Lorentz manifolds	D. Hrimiuc Finsler metrics of constant flag curvature
11:40 – 12:05	M. Yawata Laplacian for Riemannian curvature tensor	T. Aikou Chern-Finsler connection and its applications
12:10 – 12:35	N. Blažić and P. Gilkey Natural curvature operators of bounded spectrum and hyperbolic boosts	L. Kozma Weinstein's theorem for Finsler manifolds
12:35 – 14:45	<i>Lunch break</i>	
14:45 – 15:10	T. Arias-Marco Classification of 4-dimensional homogeneous D'Atri spaces	P. T. Nagy Isomorphism of differentiable loops on the real line
15:15 – 15:40	Sz. Homolya Simply connected two-step homogeneous nilmanifolds of dimension 5	I. Mykytyuk Hyper-Kähler extensions of complex-symplectic structures on cotangent bundles
15:45 – 16:10	K. Matsumoto Symmetries of special manifolds	A. Andrada Complex product structures and associated foliations on 6-dimensional nilpotent Lie groups
16:10 – 16:35	<i>Coffee break</i>	
16:35 – 17:00	S. Bechtluft-Sachs Metric rigidity of holomorphic curves	I. Kolář On the functorial prolongations of principal bundles
17:05 – 17:30	M. Škodová On holomorphically projective mappings from generally recurrent equiaffine spaces onto Kählerian spaces	J. Tomáš Some classification problems on higher order covelocity bundles
17:35 – 18:00	R. Vázquez-Lorenzo Osserman metrics on Walker 4-manifolds equipped with a para-Hermitian structure	M. Doupovec Higher order jet involution and prolongation of connections

Tuesday, August 30

	Lecture hall 1	Lecture hall 2
9:00 – 9:50	J. A. Wolf Complex flag manifolds and representations of semisimple Lie groups	
10:00 – 10:25	T. Kashiwada Remarks on almost contact metric structures	M. Palese Constraints in gauge-natural invariant field theories
10:30 – 10:55	G. Calvaruso <i>H</i> -contact unit tangent sphere bundles	R. Léandre Stochastic Poisson-sigma model
10:55 – 11:20	<i>Coffee break</i>	
11:20 – 11:45	A. Hurtado Stability numbers in K-contact manifolds	J. Janyška Higher order Utiyama's invariant interaction
11:50 – 12:15	J. Mikeš On geodesic mappings and their generalizations	V. Fedorchuk On some applications of invariants of continuous subgroups of the Poincaré group $P(1,4)$ in mathematical physics
12:20 – 12:45	O. Pokorná On geodesic mappings of Kählerian spaces	J. Šeděnková Variational sequences
12:45 – 14:45	<i>Lunch break</i>	
14:45 – 15:10	L. Friedland The Laplace spectrum and Hermitian manifolds	D. Lehmann Bounding from below the degree of an algebraic differential system having a prescribed algebraic solution
15:15 – 15:40	W. Kozłowski Hodge type decomposition	D. Repovš Lipschitz vs. smooth homogeneity
15:45 – 16:10	A. Savo The Hodge spectrum and convexity	A. Cañete The isoperimetric problem in surfaces of revolution
16:10 – 16:35	<i>Coffee break</i>	
16:35 – 17:00	M. N. Boyom Pairing in LF manifolds	V. Rovenski On topology of saddle submanifolds
17:05 – 17:30	A. Vanzurová On metrizable linear connections on smooth or analytic manifolds	Z. Dušek Deformation properties of one remarkable hypersurface in \mathbb{R}^4
17:35 – 18:00	Sz. Barcza Crash-escape orbits of zero angular momentum in Schwarzschild metric and gravitational energy of a non-rotating perfect fluid sphere	M. Antić 4-dimensional minimal CR submanifolds of the sphere S^6

Wednesday, August 31

	Lecture hall 1	Lecture hall 2
9:00 – 9:50	P. Gilkey k-curvature homogeneous pseudo-Riemannian manifolds	
10:00 – 10:25	P. Walczak Integral formulae for foliations and non-integrable distributions	T. Mestdag Non-holonomic reduction by stages
10:30 – 10:55	R. Wolak Cohomology and tautness in Riemannian foliations	M. Swaczyna The non-holonomic constraint structure of higher order
10:55 – 11:20	<i>Coffee break</i>	
11:20 – 11:45	J. Vanžura Multisymplectic structures in dimension 6	P. Volný Non-holonomic systems
11:50 – 12:15	J. Bureš Geometry related with 3-forms of special type on 7-dimensional manifolds	A. Futaki Stability and canonical Kähler metrics
12:20 – 12:45	H. Vavříková-Chudá On F-planar mappings with certain initial conditions	M. Ortega Massless particles in warped three spaces
12:45 – 18:00	<i>Free afternoon</i>	
18:00 – 20:00	<i>Banquet in Central Hall</i>	

Thursday, September 1

	Lecture hall 1	Lecture hall 2
9:00 – 9:50	P. W. Michor Riemannian geometries on spaces of planar shapes	
10:00 – 10:25	H. Tasaki Integral geometry in Riemannian symmetric spaces	Á. Figula Loops which are semidirect products of groups
10:30 – 10:55	C. Gorodski Taut representations of compact simple Lie groups	K. Strambach Imprimitive groups sharply 2-transitive on blocks
10:55 – 11:20	<i>Coffee break</i>	
11:20 – 11:45	S. Ewert-Krzemieniewski Totally umbilical submanifolds in pseudosymmetric and related manifolds	I. Nakai Quest for relations in $\text{Diff}(\mathbb{C}, 0)$
11:50 – 12:15	M. Kimura A generalization of Cartan hypersurfaces	T. Rybicki On fragmentations of diffeomorphisms on a manifold
12:20 – 12:45	Y. Matsuyama Submanifolds with nonzero mean curvature in a Euclidean sphere	G. Galanis Acceleration bundles of infinite dimensional manifolds and applications
12:45 – 14:45	<i>Lunch break</i>	
14:45 – 15:10	M. Kureš Arrow contact elements	S. Bácsó Weakly-Berwald spaces
15:15 – 15:40	C. Rosales Stationary sets and constant mean curvature surfaces in the Heisenberg group	Cs. Vincze On an existence theorem of Wagner manifolds
15:45 – 16:10	Z. Sentürk On parallel immersions of manifolds	G. Munteanu The equations of a holomorphic subspace in a complex Finsler space
16:10 – 16:35	<i>Coffee break</i>	
16:35 – 17:00	A. Rybnikov Theory of connections and problem of existence of Bäcklund transformations for general second-order partial differential equations	N. Aldea The Holomorphic bisectional curvature of the complex Finsler spaces
17:05 – 17:30	L. S. Sabinina On the theory of smooth LM-loops	C. K. Mishra Special transformations with projective motion in projective Finsler space
17:35 – 18:00		A. Tayebi Isotropic Landsberg and mean Landsberg Finsler manifolds

Friday, September 2

	Lecture hall 1	Lecture hall 2
9:00 – 9:50	J. Ławrynowicz A new special function characterizing periodicity of algebraic structures related to fractal sets and Finsler geometry	
10:00 – 10:25	J. C. Wood Jacobi fields along harmonic maps	P. Mormul Cartan prolongations of distributions and monster manifolds
10:30 – 10:55	M. Brozos-Vázquez Manifolds with commuting Jacobi operators	F. Radoux Natural equivariant quantizations by means of Cartan connections
10:55 – 11:20	<i>Coffee break</i>	
11:20 – 11:45	A. Arvanitoyeorgos Biharmonic Lorentz Hypersurfaces in E_1^4	L. Geatti Complex extensions of semisimple symmetric spaces
11:50 – 12:15	R. López Stationary surfaces in Lorentz-Minkowski space	A. Zajt Geometric functors on local categories of manifolds
12:20 – 12:45	E. Molnár On the isometry groups of the 8 homogeneous 3-spaces (Classifications and projective metric presentations)	L. Verhóczy Cohomogeneity one isometric actions on exceptional compact symmetric spaces
12:45 – 14:45	<i>Lunch break</i>	
14:45 – 15:10	J. Szenthe Isometry horizons	V. Abramov Graded q -differential algebra and generalization of exterior calculus
15:15 – 15:40	D. Szeghy Isometric actions of compact Lie groups on globally hyperbolic Lorentz manifolds	A. Asada Regularized volume forms of infinite dimensional manifolds and de Rham type cohomology with infinite degree elements
15:45 – 16:10		D. Smetanová On regularizations of Lagrangian systems