

International Workshop on Geometry of Riemannian and Hermitian Manifolds, December 7 – 10, 2015, Sofia
PROGRAMME

7 December (Monday)		8 December (Tuesday)		9 December (Wednesday)		10 December (Thursday)	
	<i>Chairman: J. Davidov</i>				<i>Chairman: C. Bejan</i>		<i>Chairman: B. Alexandrov</i>
9:30 – 10:30	Registration			9:00 – 9:40	U. Dursun	9:00 – 9:40	G. Nakova
10:30 – 11:00	OPENING			9:40 – 10:20	V. Tsanov	9:40 – 10:20	E. Hristova
11:00 – 11:40	K. Kennotsu			10:20 – 10:40	<i>COFFEE BREAK</i>	10:20 – 10:40	<i>COFFEE BREAK</i>
				10:40 – 11:20	N. Turgay	10:40 – 11:00	A. Petkov
						11:00 – 11:20	H. Manev
11:40 – 12:20	M. Munteanu			11:20 – 12:00	M. Manev	11:20 – 11:40	S. Barov
						11:40 – 12:00	R. Encheva, G. Georgiev
12:30 – 14:00	<i>LUNCH</i>			12:30 – 14:00	<i>LUNCH</i>	12:30 – 14:00	<i>LUNCH</i>
	<i>Chairman: K. Kennotsu</i>		<i>Chairman: M. Munteanu</i>		<i>Chairman: U. Dursun</i>		
14:00 – 14:40	C. Bejan	14:00 – 14:40	P. Popivanov	14:00 – 14:40	Z. Dušek		
14:40 – 15:20	S. Ivanov	14:40 – 15:20	J. Davidov, O. Mushkarov	14:40 – 15:20	B. Alexandrov		
15:20 – 15:40	<i>COFFEE BREAK</i>	15:20 – 15:40	<i>COFFEE BREAK</i>	15:20 – 15:40	<i>COFFEE BREAK</i>		
15:40 – 16:20	V. Mihova, O. Kassabov	15:40 – 16:20	M. Magid, E. Güler	15:40 – 16:20	B. Bulca, K. Arslan		
16:20 – 17:00	M. Hristov	16:20 – 17:00	K. Trenchevski	16:20 – 17:00	R. Kovacheva		
		17:00 – 17:20	G. Ganchev, K. Kanchev				
19:00	<i>OFFICIAL DINNER</i>						

Tuesday, December 8

- Chairman: Marian Ioan Munteanu
- 14:00 – 14:40 Petar Popivanov
*Explicit Solutions of Several Nonlinear PDE Arising in
Geometry and Physics*
- 14:40 – 15:20 Johann Davidov, Oleg Mushkarov
Harmonic Almost Complex Structures
- 15:20 – 15:40 COFFEE BREAK
- 15:40 – 16:20 Martin Magid, Erhan Güler
A Two-Parameter Family of Bour's Surfaces in Four-Space
- 16:20 – 17:00 Kostadin Trenčevski
*Application of the Geometry of Curves in 3-Dimensional Euclidean
Space*
- 17:00 – 17:20 Georgi Ganchev, Krassimir Kanchev
Surfaces of Constant Mean Curvature Isometric to a Given One

Wednesday, December 9

- Chairman: Cornelia-Livia Bejan
- 9:00 – 9:40 Uğur Dursun
*Submanifolds of Pseudo-Riemannian Space Forms with Finite Type
Generalized Gauss Map*
- 9:40 – 10:20 Vasil Tsanov
Hypercomplex and Related Structures
- 10:20 – 10:40 COFFEE BREAK
- 10:40 – 11:20 Nurettin Cenk Turgay
*New Classes of Lorentzian Submanifolds in Pseudo-Riemannian Space
Forms of Index 2 and Their Gauss Map*
- 11:20 – 12:00 Mancho Manev
*Manifolds with Almost Contact 3-Structure and Metrics of Hermitian-
Norden Type*
- 12:30 – 14:00 LUNCH

On the Convergence of Rational Functions of Best Chebyshev Approximation

Ralitza Kovacheva

*Institute of Mathematics and Informatics,
Bulgarian Academy of Sciences, Bulgaria*
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Set $\Delta := [-1, 1]$. Given a function f , continuous and real valued on Δ and a pair (n, m) of positive integers, let $R_{n,m}(f) := R_{n,m}$ be the rational function of degree (n, m) of best uniform (Chebyshev) approximation of f on Δ .

In the present talk, we pose the question about the asymptotic behavior of the sequence $\{R_{n,m}\}$ outside Δ : that is "how good for f " are the functions $R_{n,m}$ as $n+m \rightarrow \infty$ outside the interval Δ .

A Two-Parameter Family of Bour's Surfaces in Four-Space

Martin Magid*, Erhan Güler**

**Department of Mathematics,
Wellesley College, Wellesley, USA*
mmagid@wellesley.edu

***Bartın University, Turkey*
ergler@gmail.com

In honor of Prof. Georgi Ganchev on the occasion of his 70th birthday

We study a two parameter family of Bour's-type minimal surfaces using the Weierstrass representation in the four dimensional Euclidean space. We obtain implicit algebraic equations of the surfaces and show that they are applicable to a surface of revolution.



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To: Prof. Erhan Güler
Bartın University
Faculty of Science
Department of Mathematics
74100 Bartın, Turkey

Letter of Invitation

Dear Professor Erhan Güler,

The Department of Analysis, Geometry and Topology at the Institute of Mathematics and Informatics, Bulgarian Academy of Sciences is organizing an international workshop on Geometry of Riemannian and Hermitian Manifolds. It will be held in Sofia, Bulgaria in the period 7 – 10 December, 2015. The workshop is organized in honor of **Prof. Georgi Ganchev** on the occasion of his 70th birthday.

On behalf of the organizing committee we have the pleasure to invite you to deliver a talk at the **International Workshop on Geometry of Riemannian and Hermitian Manifolds**.

Unfortunately, we are not able to cover the expenses for your participation in the workshop and we hope that you will be able to find financial support from local sources.

We are looking forward to receiving a confirmation of your acceptance of this invitation and welcoming you in our Institute.

Sofia

November 02, 2015


Assoc. Prof. Velichka Milousheva,

On behalf of the organizing committee



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To: Prof. Erhan Güler
Bartın University,
Turkey

Certificate

This is to certify that Professor Erhan Güler from Bartın University, Turkey, took part in the **International Workshop on Riemannian and Hermitian Manifolds** hold in Institute of Mathematics and Informatics – Bulgarian Academy of Sciences, Sofia, December 7-10, 2015, and gave a talk entitled “*A two-parameter family of Bour's surfaces in four-space*”.

Sofia
December 07, 2015

Prof. DSc Oleg Mushkarov,
On behalf of the Organizing Committee

