Conference on Quasigroups and Related Systems, July 2-4, 2025
Mathematical Week in Chisinau dedicated to the centenary of Valentin Belousov

PROGRAMME
Chisinau Time Zone, GMT +3
Moldova State University
Alexe Mateevici str., 60, MD-2009, Chisinau, Republic of Moldova
Link to connect online: https://meet.google.com/jgf-yagm-zxp

Wednesday, July 2, 2025		
09.00 – 09.30	**REGISTRATION**	**Moldova State University, 2nd floor, Building 4**
09.30 –09.55	**Opening ceremony**	**Moldova State University, Building 4, classroom 213[a]**
Plenary session (Moldova State University, Building 4, classroom 213[a])		
	Chairperson:	*J.D. Phillips*
10.00 – 10.45	**Jonathan D.H. SMITH**	*Algebraic nets and quantum quasigroups*
10.45 – 11.05	*Coffee break*	
11.05 – 11.50	**Ales DRAPAL**	*An alternative approach to finite simple Moufang loops*
11.55 – 12.40	**David STANOVSKY**	*Supernilpotent loops: Introduction*
12.40 – 14.30	*Lunch break*	
Contributed talks (Moldova State University, Building 4, classroom 213[a])		
	Chairperson:	*P. Syrbu*
14.30 – 14.50	**Halyna Shelepalo (Krainichuk)**	*Classification of identities of the CIP-quasigroups up to parastrophic symmetry*
14.55 – 15.15	**Ondrej Chwiedziuk**	*Characterization of quandles with trivial coloring invariant*
15.20 – 15.40	**Elena Cuznetov, Parascovia Syrbu**	*On recursive differentiability of quasigroups prolongations*
15.45 – 16.05	**Oyeyemi Oluwaseyi Oyebola**	*A study of extra polyloop and its algebraic properties*

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16.05 – 16.25		*Coffee break*
	Chairperson:	P. Vojtechovsky
16.25 – 17.10	Alexander GRICHKOV	*Plenary lecture (online)*
17.15 – 17.35	Bohdan Buniak, Fedir Sokhatsky	*Formulas for determining of some quasigroups of order eight*
17.40 – 18.00	Ludmyla Ivanova, Halyna Shelepalo (Krainichuk)	*Logical schemes of some quasigroups up to the parastrophic symmetry for LW-cryptography*

Thursday, July 3, 2025

Plenary session (Moldova State University, Building 4, classroom 213[a])

	Chairperson:	A. Drapal
9.30 – 10.15	Ian WANLESS, Jack ALLSOP	*Subsquares of Latin squares*
10.20 – 11.05	Petr VOJTECHOVSKY	*Supernilpotent loops: Finite axiomatization*
11.10 – 11.30		*Coffee break*
11.30 – 12.15	Izabella STUHL	*Steiner Loops*
12.15 – 14.30		*Lunch break*
15.00 -19.00		*Excursion to Mimi Castle*

Friday, July 4, 2025

Plenary session (Moldova State University, Building 4, classroom 213[a])

	Chairperson:	D. Stanovsky
9.30 – 10.15	John D. PHILLIPS	*Bol Moufang rings and things, yet again*
10.20 – 11.05	Fedir SOKHATSKY	*Quasigroups of small orders and cross product of quasigroups*
11.05 – 11.25		*Coffee break*
11.25 – 11.45	Eugene Kuznetsov	*Pre-affine nets and loop transversals*
11.50 – 12.10	Valeriu Popa	*On LCA groups whose closed co-polythetic subgroups have*

		commutative ring of continuous endomorphisms
12.15 – 12.35	**Victor Shcherbacov, Natalia Diduric, Nadejda Malyutina**	*On Schweitzer quazigroups*
12.35 – 14.30		*Lunch break*

Contributed talks (Moldova State University, Building 4, classroom 213[a])

	Chairperson:	I. Stuhl, V. Shcherbacov
14.30 – 14.50	**Iryna Fryz**	*On totally parastrophic-orthogonal ternary quasigroups*
14.55 – 15.15	**Tatiana Rotari, Parascovia Syrbu**	*On 4-quasigroups with exactly five distinct parastrophes*
15.20 – 15.40	**T. Jaiyeola, O. George, B. Osoba, E. Ilojide**	*Algebraic properties of a class of power associative LCC-loops and some associated total inner mapping group questions*
15.40 – 16.00		*Coffee break*
	Chairperson:	F. Sokhatsky
16.00 – 16.20	**Vladimir Izbash, Ana-Maria Izbash**	*On AC-groupoids*
16.25 – 16.45	**Liubomir Chiriac, Natalia Bobeica, Natalia Lupasco, Artiom Pirlog**	*On Topological Quasigroups Obeying Certain Laws*
16.50 – 17.10	**Nadegda Malyutina, Victor Shcherbacov, Vladimir Chernov**	*Isotopy, isostrophy, and gysotopy in the theory of quasigroups*
17.15 – 17.35	**Chernov Vladimir, Shcherbacov Victor, Malyutina Nadegda**	*Some hash functions based on quasigroups*
17.40 – 18.00	**Richard Ilemobade, Temitope Jaiyeola**	*On (α, β, γ)-Quasigroups*
18.05 – 18.25	**Leonid Ursu**	*On the existence and uniqueness of one inversion matrix of an n-IP-loop*