

International Conference on Ring Theory, Number Theory and Lie Algebra, Monastir, October 28-31, 2025

Tuesday	Wednesday	Thursday	Friday
8h-8h45 8h45h-9h Registration Opening	08h30-09h10 Ece Yetkin Çelikel	08h30-09h10 Ihsen Yengui	08h30-09h10 Abdenacer Makhlouf
9h-9h40 Najib Mahdou			
9h45-10h25 Manuel Reyes	09h15-09h55 Hawnkoo Kim	09h15-09h55 Sana Hizem	09h15-09h55 Mohamed Hbaib
10h25-10h55 Coffee break	09h55-10h25 Coffee break (Poster Session)	09h55-10h25 Coffee break	09h55-10h25 Coffee break
10h55-11h35 Bouchaïb Sodaïgui	10h25-11h05 Fethi Ben Saïd	10h25-11h05 Pierre Dusart	10h25-10h50 Walid Aloulou
			10h50-11h10 Naser Zamani
11h40-12h20 M.P. Chaudhary	11h10-11h50 Abbas Movahhedi	11h10-11h50 Jilali Assim	11h10-11h30 Djamel Bellaouar
	11h55-12h15 Carlos Moises Arriaga Osante	11h50-12h15 Salah Eddine Rihane	11h30-11h50 Slimen Bouhadjar
	12h20-12h35 Brahim Mittou		11h50-12h10 Khadija Mbarki
Lunch	Lunch	Lunch	Lunch
14h-14h20 Sebti Messaoud	15h-16h30 Tour of the Monastir Ribat Museum	14h-14h20 Zakariae Bouazzaoui	
14h20-14h40 Badreddine Gouaid		14h20-14h40 Yousra Besbes	
14h40-15h Ahmed Elmakki		14h40-15h Belhout Bousalmi	
15h-15h20 Taha Eddhay		15h-15h20 Nabil Tahmi	
15h20-15h40 Abdelamir Dababi		15h20-15h40 Sahar Guidara	
15h40-16h Nader Ouni		15h40-16h Ahmad Khojali	
16h-16h30 Coffee break		16h-16h30 Coffee break	
16h30-16h50 Jihen Belhadj Ltaief		16h30-16h50 Chiheb Ben Bechir	
16h50-17h10 Siham Mokhfi		16h50-17h10 Marwa Layouni	
17h10-17h30 Karras Meselem		17h10-17h30 Souha Maaref	
17h30-17h50 Zouhair Boughadi		17h30-17h50 Mansour Jebli	
17h50-18h10 Zoulikha Belbargat		17h50-18h10 Abdelhafidh badis	
18h10-18h30 Souhyeb Milles		18h10-18h30 Khouloud Damak	

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Tuesday 28 October 2025	
8h-8h45 : Registration	
8h45-9h : Opening	
Chair : Ali Benhissi	
9h-9h40 :	Najib Mahdou (University of Sidi Mohamed Ben Abdellah, Maroc) On (Graded) amalgamated Algebra along an ideal
9h45-10h25 :	Manuel Reyes (University of California, USA) Algebraic hyperstructures and their relation to rings
10h25-10h55 :	coffee break
Chair : Abbas MOVAHHEDI	
10h55-11h35 :	Bouchaïb Sodaïgui (UPHF, France) On the relative Galois module structure of powers of the different and Stickelberger ideals
11h40-12h20 :	M.P. Chaudhary (Int. Scientific Research and Welfare Organization New Delhi, India) On modular Relationships for the Rogers- Ramanujan Type Function of Order 14th with Applications to Partitions
Lunch	
Chair : Sana Hizem	
14h-14h20 :	Sebti Messaoud (University of Manouba, Tunisia) S-r-ideals in commutative rings
14h20-14h40 :	Badreddine Gouaid (Faculty of sciences of Gafsa) On J-Prime Ideals and Rings with Few Zero Divisors
14h40-15h :	Ahmed Elmakki (Faculty of sciences of Monastir) Dedekind domains and property (*)
15h-15h20 :	Taha Eddhay (IPEI Gafsa) When are Semigroup Rings Noetherian? Prime ideals and factorization in $A[\Gamma]$ and $A[[\Gamma]]$
15h20-15h40 :	Abdelamir Dababi (Faculty of sciences of Monastir) Chain conditions in subrings of power series rings
15h40-16h :	Nader Ouni (Faculty of sciences of Monastir) On purely-maximal ideals with applications
16h-16h30 :	Coffee break
Chair : M. P. CHAUDHARY	
16h30-16h50 :	Jihen Belhadj Ltaief (University of Monastir) Discretized Li coefficients on function fields
16h50-17h10 :	Siham Mokhfi (Blida 1 university) Trace formula for Witt vectors rings
17h10-17h30 :	Meselem Karras (Tissemsilt University) On the Diophantine equation $d(n^2) = d(\sigma(n))$
17h30-17h50 :	Zouhair Boughadi (Mohammed first university)

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On Greenberg's generalized conjecture	
17h50-18h10 :	Zoulikha Belbargat (Oran 1 University Ahmed Ben Bella, Oran, Algeria) Catalan Numbers and Ayad Kihel Conjecture
18h10-18h30 :	Souhyeb milles (University Center of Barika, Algeria) More on Fuzzy Topology Generated by Fuzzy Relation

Wednesday 29 October 2025	
Chair : Najib Mahdou	
08h30-09h10 :	Ece Yetkin Çelikel (Hasan Kalyoncu University, Turkey) Ideals defined by the Jacobson radical of commutative rings
09h15-09h55 :	Hawnkoo Kim (Hoseo University, Korea) Gorenstein Dedekind Domains
09h55-10h25: coffee break	
Chair : Pierre Dusart	
10h25-11h05 :	Fethi Ben Saïd (University of Monastir, Tunisia) Semi-colored Partitions
11h10-11h50 :	Abbas Movahhedi (University of Limoges, France) p-rational number fields
11h55-12h15 :	Carlos Moises Arriaga Osante (University of Mexico, UNAM) Latest results about the spaces of high dimensional modular forms
12h20-12h35	Brahim Mitou (University Kasdi Merbah, Ouargla, Algeria) Notes on New Divisor Functions
Lunch	

Thursday 30 October 2025	
Chair : Manuel Reyes	
08h30-09h10 :	Ihsen Yengui (University of Sfax, Tunisia) Algorithms for computing syzygies over $V[X_1, \dots, X_n]$, V a valuation ring
09h15-09h55 :	Sana Hizem (University of Monastir, Tunisia) On square difference absorbing ideals of a commutative ring
09h55-10h25: Coffee break	
Chair : Bouchaïb SODAÏGUI	
10h25-11h05 :	Pierre Dusart (University of Limoges, France) Encadrements des nombres premiers
11h10-11h50 :	Jilali Assim (Université Moylay Ismaïl, Meknes, Maroc) Twisted analogue of the Kummer-Leopoldt constant
11h50-12h15 :	Salah Eddine Rihane (National Higher School of Mathematics, Algeria) On the $D(1)$ extension and integer points on the elliptic curves of the $D(-1)$ -Diophantine triples induced by the $D(-1)$ -Diophantine pair $\{1, 5\}$
Lunch	

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Chair : Ece Yetkin ÇELIKEL	
14h-14h20 :	Zakariae Bouazzaoui (Ecole S.E et de Formation de Oujda) Lattices of Hecke-Eisenstein series of real quadratic fields
14h20-14h40 :	Yousra Besbes (Faculty of sciences of Sfax) Some model of transcendental Rosen continued fractions
14h40-15h :	Belhout Bousalmi (H. Normal School of Laghouat, Department of Mathematics) New classes of permutation and complete permutation polynomials
15h-15h20 :	Nabil Tahmi (Higher Normal School of Laghouat, Department of Mathematics) New proof of Chaundy-Bullard identity
15h20-15h40 :	Sahar Guidara (Faculty of sciences of Sfax) Arithmétique sur les nombres p-adiques
15h40-16h :	Ahmad Khojali (University of Mohaghegh Ardabili, Ardabil, Iran) Graded Duo Modules Over Graded Dedekind Domains
16h-16h30 : coffee break	
Chair : Fethi BEN SAÏD	
16h30-16h50 :	Chiheb Ben Bechir (Faculty of sciences of Sfax) On Simultaneous Approximation of Algebraic Power Series over a Finite Field
16h50-17h10 :	Marwa Layouni (University of Monastir) Kac-Moody graded Lie algebras and associated Weyl group
17h10-17h30 :	Souha Maaref (University of Monastir) On the Monomial Representations of Unipotent Groups
17h30-17h50 :	Mansour Jebli (University of Sousse) Cohomology and deformation of a compatible BiHom-Lie algebra up to homotopy
17h50-18h10 :	Abdelhafidh badis (University Abbas Laghrour Khenchela) Finitely generated group with many finite-by-Baer subgroups
18h10-18h30 :	Khouloud Damak (Faculty of sciences of Sfax) Transcendence of Rosen Continued Fractions

Friday 31 October 2025	
Chair : Hechmi Ben MASSAOUD	
08h30-09h10 :	Abdenacer Makhoulouf (The Haute Alsace University, France) Drinfeld Twists, Deformations and Cohomology of Alternative Algebras
09h15-09h55 :	Mohamed Hbaib (University of Sfax, Tunisia) Transcendence criterion for simutenous real and padic limit of Ruban continued fraction
09h55-10h25: Coffee break	
Chair : Ridha Chatbouri	
10h25-10h50 :	Walid Aloulou (I.P.E.I. Sfax) On a compatible Hom-Lie algebra up to homotopy
10h50-11h10 :	Naser Zamani (Mohaghegh Ardabili University Ardabil, Iran) Graded torsion and graded reduced modules over graded nonsingular rings
11h10-11h30 :	Djamel Bellaouar (University 8 Mai 1945 Guelma)

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Open problems on the composition of some arithmetic multiplicative functions	
11h30-11h50 :	Slimen Bouhadjar (University of Guelma ALGERIA) When does $d(n) = d(\phi(n))$ with $\omega(n) = k$?
11h50-12h10 :	Khadija Mbarki (Faculté des sciences de Monastir) Mean Values of Arithmetic Functions under Congruences with the Euler Function
Lunch	