

**International Conference on Algebra and its Applications (ICAA2023-Fez)**  
**July 12-15, 2023, Faculty of Science and Technology, Fez, Morocco**

**Program: Wednesday, July 12th, 2023**

<b>08:30--10:30</b>	<b>Registration, Opening and Ceremony to honor of “Ayman Badawi” and “Abdelmoujib Benkirane”.</b>
<b>10:30--11:00</b>	<b>Coffee Break</b>
<b>Chairman: Hwankoo Kim</b>	
<b>11:00--11:35</b>	<b>Mohamed Yousif, (The Ohio State University, USA). Modules with the Exchange Property (Plenary Conference).</b>
<b>11:40--12:15</b>	<b>Vyacheslav Futorny, (SUSTech University, Brazil). Superelliptic Krichever-Novikov algebras and orthogonal polynomials (Plenary Conference).</b>
<b>12:20--12:45</b>	<b>Rachid Tribak, (CRMEF-Tanger, Morocco). Some results on dual CS-Rickart modules over Dedekind domains.</b>
<b>13:00--15:00</b>	<b>Lunch</b>
<b>Chairman: Mohammad Ashraf</b>	
<b>15:00--15:20</b>	<b>Abdelhamid Tadmori, (Abdelmalek Essaadi University, Morocco). New encryption based on the elliptic curve over a special nonlocal ring.</b>
<b>15:25--15:45</b>	<b>Abdelalim Seddik, (Hassan II University of Casablanca, Morocco). The Weakly Co-Hopfian Abelian Group in the Category of Algebraically Compact Abelian Groups.</b>
<b>15:50--16:10</b>	<b>Farid Kourki, (CRMEF-Tanger, Morocco). On homogeneous trivial extensions.</b>
<b>16:15--16:35</b>	<b>Oumar Fall, (Cheikh Anta Diop de Dakar University, Senegal). A primality criterion for Fermat numbers.</b>
<b>16:40--17:00</b>	<b>Landing Fall, (Cheikh Anta Diop de Dakar University, Senegal). On S-Lifting semimodules.</b>
<b>17:00--17:30</b>	<b>Coffee Break</b>
<b>Chairman: Lixin Mao</b>	
<b>17:30--17:50</b>	<b>Anta Niane Gueye, (Cheikh Anta Diop de Dakar University, Senegal). Some properties of mono-correct and epi-correct modules.</b>
<b>17:55--18:15</b>	<b>Karima Alaoui Ismaili, (Mohammed V University of Rabat, Morocco). Uniform coherence in amalgamated algebra along an ideal.</b>
<b>18:20--18:40</b>	<b>Manoj Kumar Patel, (National Institute of Technology Nagaland, India). Bridge between Extending and Supplemented Modules.</b>
<b>18:45--19:05</b>	<b>El hadji Ousseynou Diallo, (Cheikh Anta Diop de Dakar University, Senegal). Weakly co-Hopfian objects in the category of complexes of A-modules.</b>
<b>19:10--19:40</b>	<b>Balchand Prajapati (Dr. B. R. Ambedkar University Delhi, India). On b-generalized skew derivation having vanishing skew derivation in prime rings.</b>

## Program: Thursday, July 13th, 2023

### Chairman: Vincenzo De Filippis

08:30--09:05	Hwankoo Kim, (Hoseo University, Korea). Ring-theoretic properties in a certain pullback (Plenary Conference).
09:10--09:45	Ünsal Tekir, (Marmara University, Turkey). Von Neumann regular modules and Baer modules (Plenary Conference).
09:50--10:25	Bouchaïb Sodaïgui, (Université Polytechnique Hauts-de-France, France). On relative Galois module structure of powers of the different and Stickelberger ideals (Plenary Conference).
10:30--11:00	<b>Coffee Break</b>

### Chairman: Ayman Badawi

11:00--11:25	Suat Koç, (Istanbul Medeniyet University, Turkey). On Irreducibility Criteria for Factorial Modules.
11:30--11:55	Christian Lomp, (University of Porto, Portugal). Locally finite dimensional modules over Noetherian Hopf algebras.
12:00--12:25	Paula A.A.B. Carvalho, (University of Porto, Portugal). Essential extensions of simple modules over skew polynomial rings.
12:30--12:55	El Mehdi Bouba, (Mohammed first University of Oujda, Morocco). On quasi $n$ -ideals of commutative rings.
13:00--13:25	Youssef Zahir, (Mohammed V University of Rabat, Morocco). Note on $\varphi$ -weakly Krull rings.
13:30--15:30	<b>Lunch</b>

**Visit to Fez Medina**

## Program: Friday, July 14th, 2023

### Chairman: Ünsal Tekir

08:30--09:05	Vincenzo De Filippis, (University of Messina, Italy). Quadratic differential identities and related open problems (Plenary Conference).
09:10--09:45	Mohammad Ashraf, (Aligarh Muslim University, India). Nonlinear Lie-type Derivations on Algebras (Plenary Conference).
09:50--10:25	Shakir Ali, (Aligarh Muslim University, India). Jordan *-derivations and its related maps in rings (Plenary Conference).
10:30--11:00	Coffee Break

### Chairman: Abdenacer Makhlouf

11:00--11:25	Scudo Giovanni, (University of Messina, Italy). Some results on periodic subsets of prime rings.
11:30--11:55	Rania Francesco, (University of Catanzaro, Italy). Nilpotent and power central valued b-generalized derivations in prime rings.
12:00--12:25	Mohammed Issoual, (CRMEF Khmisset, Morocco). Amalgamated algebra along an ideal defined by S-Noetherian spectrum -like-conditions.
12:30--12:55	Rachida El Khalfaoui, (Sidi Mohamed Ben Abdellah University of Fez, Morocco). On $w - (n, d)$ -Krull rings.
13:00--15:00	Lunch

## PARALLEL SESSIONS

### Chairman: Suat Koç (Session 1)

15:00--15:20	Eda Yıldız, (Yildiz Technical University, Turkey). A Generalization of Stone Representation Theorem.
15:25--15:45	Sanae Moussaoui, (Sidi Mohamed Ben Abdellah University of Fez, Morocco). A generalization of primary ideals of commutative rings.
15:50--16:10	Melisa Yank, (Yildiz Technical University, Turkey). Quasi-primary ideal in semigroup.
16:15--16:35	Anass Assarrar, (Sidi Mohamed Ben Abdellah University of Fez, Morocco). The GPI theorem subject to Graded-Nonnil-Noetherian commutative rings.
16:40--17:00	Salah Eddine Mahdou, (Sidi Mohamed Ben Abdellah University of Fez, Morocco). When every S-finite ideal is projective.

### Chairman: Shakir Ali (Session 2)

15:00--15:20	Md Shamim Akhter, (Aligarh Muslim University, India). Non-global nonlinear Lie triple derivations on unital algebras with idempotents.
15:25--15:45	Karim Bouchannafa, (Sidi Mohamed Ben Abdellah University of Fez, Morocco). Some commutativity criteria for a factor ring $R/P$ .
15:50--16:10	Abderrahman Hermas, (Sidi Mohamed Ben Abdellah University of Fez, Morocco). Generalized derivations on prime rings and Banach algebras.
16:15--16:35	Ikram Benlaktit, (Sidi Mohamed Ben Abdellah University of Fez, Morocco). Some commutativity for quotient rings involving three derivations.
16:40--17:00	Brahim Mahdou, (Moulay Ismail University of Meknes, Morocco). Identities with generalized derivations acting in the center of factor rings.

<b>Chairman: Rachid Tribak (Session 3)</b>	
15:00--15:20	Mohamed Es-saidi, (Moulay Ismail University of Meknes, Morocco). <b>Graph of Complemented Rings.</b>
15:25--15:45	Mouhcine Taljaoui, (Hassan II University of Casablanca, Morocco). <b>Continued Fractions Algorithm and its Applications.</b>
15:50--16:10	Noureddine Essaidi, (Abdelmalek Essaadi University, Morocco). <b>Quantum Error-Correcting Codes over Non Chain-Rings.</b>
16:15--16:35	Saad El Boukhari, (Moulay Ismail University of Meknes, Morocco). <b>On a Gross conjecture over imaginary quadratic fields.</b>
16:40--17:00	Loubna Es-Salhi, (Sidi Mohamed Ben Abdellah University of Fez, Morocco). <b>On power serieswise armendariz like-properties.</b>
<b>Chairman: Rania Francesco (Session 4)</b>	
15:00--15:20	Abderrahim Bouzendaga, (Hassan II University of Casablanca, Morocco). <b>Characterization of Weakly Hopfan Abelian groups in the Category of Algebraically Compact groups.</b>
15:25--15:45	Ilias Elmouki, (Hassan II University of Casablanca, Morocco). <b>Elliptic curves and hashing for blockchain, and post-quantum signatures.</b>
15:50--16:10	Meryem Sabri, (Hassan II University of Casablanca, Morocco). <b>On some Characterization of Hereditary Hopfan Abelian Groups.</b>
16:15--16:35	Fedoua Sghiouer, (Ibn Tofail University of Kenitra, Morocco). <b>Continued fraction representations of the incomplete gamma function.</b>
16:40--17:00	Sarra Ahallal, (Ibn Tofail University of Kenitra, Morocco). <b>Representation of Fresnel functions in continued fractions.</b>
17:00--17:30	<b>Coffee Break</b>
<b>Chairman: Christian Lomp (Session 1)</b>	
17:30--17:50	Adam Anebri, (Sidi Mohamed Ben Abdellah University of Fez, Morocco). <b>Bi-Amalgamated modules along ideals.</b>
17:55--18:15	Handenur Taylan, (Yildiz Technical University, Turkey). <b>Quasi S-prime ideals of commutative rings.</b>
18:20--18:40	El Houssaine Oubouhou, (Sidi Mohamed Ben Abdellah University of Fez, Morocco). <b>On nonnil-S-Noetherian and nonnil-u-S-Noetherian rings.</b>
18:45--19:05	Nassima Guennach, (Sidi Mohamed Ben Abdellah University of Fez, Morocco). <b>On S-valuation rings.</b>
<b>Chairman: Scudo Giovanni (Session 2)</b>	
17:30--17:50	Khalid Draoui, (Sidi Mohamed Ben Abdellah University of Fez, Morocco). <b>Residual linearity for abstract groupoids.</b>
17:55--18:15	Noureddine Motya, (Sidi Mohamed Ben Abdellah University of Fez, Morocco). <b>On Pre-Hilbert Algebras Satisfying <math>\ x^2\  = \ x\ ^2</math>.</b>
18:20--18:40	Ahmed Wasim, (Aligarh Muslim University, India). <b>Study of multiplicative b-generalized derivation and its additivity.</b>
18:45--19:05	El-Khabchi Yassine, (Moulay Ismail University of Meknes, Morocco). <b>On (1,2)-absorbing primary ideals and uniformly primary ideals with order <math>\leq 2</math>.</b>

<b>Chairman: Paula A.A.B. Carvalho (Session 3)</b>	
<b>17:30--17:50</b>	<b>Oussama Aymane Es safi, (Sidi Mohamed Ben Abdellah University of Fez, Morocco). On Strongly S-projective Modules.</b>
<b>17:55--18:15</b>	<b>Younes El Haddaoui, (Sidi Mohamed Ben Abdellah University of Fez, Morocco). On nonnil-semihereditary rings.</b>
<b>18:20--18:40</b>	<b>Fatima-Zahra Guissi, (Sidi Mohamed Ben Abdellah University of Fez, Morocco). Graded Almost Valuation Ring.</b>
<b>18:45--19:05</b>	<b>Hamza Mzaiti, (Moulay Ismail University of Meknes, Morocco). Rings in which every nonzero S-weakly prime ideal is S-prime.</b>
<b>Chairman: Abdelhaq El khalfi (Session 4)</b>	
<b>17:30--17:50</b>	<b>Rehman Washiqur, (Aligarh Muslim University, India). On cyclic DNA codes over a non-chain ring.</b>
<b>17:55--18:15</b>	<b>Noureddine Snanou, (Sidi Mohamed Ben Abdellah University of Fez, Morocco). On the isomorphism problem for central extensions.</b>
<b>18:20--18:40</b>	<b>Mohammad Ahmadi, (Sidi Mohamed Ben Abdellah University of Fez, Morocco). On strongly S-flat modules.</b>
<b>18:45--19:05</b>	<b>Jihad Benzaid, (Sidi Mohamed Ben Abdellah University of Fez, Morocco). On derivations and commuting like elements in prime rings.</b>

**Program: Saturday, July 15th, 2023**

**Chairman: Mohamed Yousif**

<b>08:30--09:05</b>	<b>Abdenacer Makhlouf, (University of Haute Alsace, France). Matched pairs, Manin triples and Poisson superbialgebras (Plenary Conference).</b>
<b>09:10--09:45</b>	<b>Ayman Badawi, (American University of Sharjah, United Arab Emirates). Absorbing ideals: A survey (Plenary Conference).</b>
<b>09:50--10:25</b>	<b>Lixin Mao, (Nanjing Institute of Technology, China). Homological properties of modules over trivial ring extensions (Plenary Conference).</b>
<b>10:30--10:55</b>	<b>Ali Jaballah, (University of Sharjah, United Arab Emirates). Numerical and graphical characterization of integral domains: Unveiling the interplay of dimension, maximal ideals and overrings.</b>
<b>11:00--11:30</b>	<b>Coffee Break</b>

**Chairman: Bouchaïb Sodaïgui**

<b>11:30--11:55</b>	<b>Abdelhaq El Khalfi, (Hassan II University of Casablanca, Morocco). About the absorbing factorization of commutative rings.</b>
<b>12:00--12:25</b>	<b>Siham Ezzouak, (Sidi Mohamed Ben Abdellah University of Fez, Morocco). Classification Attacks on Elliptic Curve Discrete Logarithm Problem.</b>
<b>12:30--12:55</b>	<b>Muzibur Rahman Mozumder, (Aligarh Muslim University, India). A study of skew lie product involving generalized derivations.</b>
<b>13:00--13:25</b>	<b>Abdelkbir Riffi, (Ibn Zohr University of Agadir, Morocco). On graded pseudo-valuation domains.</b>
<b>13:30--15:30</b>	<b>Lunch</b>