



PROGRAM (DSANTA'2021)

Monday June 14, 2021	
9h00-9h15	Welcome and Registration
9h15-11h00	Genus formula in class field theory, (Prof. Ali Mouhib-FPT) Chair: N. Mahdou
11h00-11h30	Break
11h30-12h30	Fully homomorphic cryptography, (Prof. Abdelhakim Chillali-FPT) Chair: N. Mahdou
14h30-16h00	Comparison of Dedekind's criterion with other criterion for the monogeneity of a Field of numbers, (Prof. Mohammed Sahmoudi-ENSK) Chair: A. Chillali
16h00-16h30	Break
16h30-18h00	Session 1 : Chair: Siham Ezzouak, Abdelkarim Boua
	1- Twisted Hessian curves over the ring R Abdelâli Grini
	2- Montgomery Curves over the Ring R Moha ben taleb Elhamam
	3- Torsion group of elliptic curves over the ring $\mathbb{Q}[\lambda]$ Zakariae Cheddour
	4- Solving the closest vector problem with the reduced centered law method Mustapha Elhassani
	5- On extension of non Archimidean absolute values Mohamed Faris
	6- Bitcoin Security Samir Kourtite



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Tuesday June 15, 2021	
9h00-10h00	On amalgamated algebras along an ideal : A survey, (Prof. Najib Mahdou -FST) Chair: A. Boua
10h00-11h00	Newton polygon techniques and applications, (Prof. Lhoussain El Fadil -FSDM) Chair: S. Ezzouak
11h00-11h30	Break
11h30-12h30	Theory of units of a number field and applications, (Dr. Mohamed Mahmoud Chems-Eddin -FSO) Chair: H. Choulli
14h30-16h00	Coding Theory, (Prof. Mohamed Charkani El Hassani -FSDM) Chair: R. El Khalfaoui
16h00-16h30	Break
16h30-18h00	Session 2 : Chair: Mohamed Mahmoud Chems-Eddin, Lhoussain El Fadil
	1- Some non-Pólya real biquadratic number fields Said El Madrari
	2- On the 2-groups whose abelianizations are of type $(2,2n)$ and applications Aaboun Brahim
	3- Preservation of the class $\$(bz)\$$ under direct sum of operators Kaoutar Ben Ouidren
	4- On power integral bases of certain number fields defined by $x^{60} - m$ Omar Kchit
	5- On power integral bases for certain pure number fields defined by $\$x^{2^r \cdot 5^s} - m\$$ Hamid Ben Yakkou
	6- Newton polygon and applications Mohamed Es Samet



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Wednesday June 16, 2021	
9h00-10h30	An Introduction to Central Simple Algebras and Their Applications to Wireless Communication, (Prof. Mhammed Boulagouaz) <div style="text-align: right;">Chair: H. Choulli</div>
10h30-11h00	Break
11h00-12h30	Morita-Takeuchi Theorems for braided category, (Prof. Hanan Choulli-FSDM) <div style="text-align: right;">Chair: L. El Fadil</div>
14h30-16h00	Cryptography and elliptical curves, (Prof. Siham Ezzouak-FSDM) <div style="text-align: right;">Chair: H. Mouanis</div>
16h00-16h30	Break
16h30-18h00	<p>Session 3 : Chair: Abdelhakim Chillali, Abdelkarim Boua</p> <ol style="list-style-type: none"> 1- Note on the spectrum of a rational fraction <div style="text-align: right;">Mohamed Benelmekki</div> 2- Groupe, Corps et extension de Pólya de certains corps de nombres <div style="text-align: right;">Mohamed Jakhrouti</div> 3- ON GENERIC ABELIAN CROSSED PRODUCTS AND SOME RELATED ALGEBRAS <div style="text-align: right;">Abdelouahd ACHARQY</div> 4- A new generalization of Hopfian modules <div style="text-align: right;">Abderrahim El Moussaouy</div> 5- The class \mathcal{B}_e and the algebraic core <div style="text-align: right;">Zakariae Aznay</div> 6- Loi de réciprocité d'Artin sur un corps de nombre et ses conséquences sur la factorisation des nombres premiers <div style="text-align: right;">Hamza EL MAMRY</div> 7- Some result of multiplicative generalized derivation in prime ring <div style="text-align: right;">Mohammadi El hamdaoui</div>