

WORKSHOP

Representation Theory and Harmonic Analysis on Homogeneous Spaces

Théorie des représentations et analyse harmonique sur les espaces homogènes

28 September – 2 October 2026

MONDAY, SEPTEMBER 28, 2026

SESSION I

08h30–09h20 **Toshiyuki Kobayashi** Hidden Symmetry and Spectral Analysis on Locally Symmetric Spaces beyond the Riemannian Setting
(*Tokyo*):

09h30–10h20 **Abdenacer Makhoul** On restricted Lie triple systems
(*Mulhouse*):

10h30–11h Coffee Break

11h00–11h50 **Hidenori Fujiwara*** Monomial representations of type I solvable Lie groups
(*Fukuoka*):

12h00–12h30 **Justin Feuto** (*Abidjan*): Amalgam space on space of homogeneous type and the Hardy–Littlewood maximal operator

12h30–14h30 Lunch

SESSION II

14h30–15h20 **Robert Yuncken** (*Lorraine*): Harish-Chandra’s principle via the Satake groupoid

15h30–16h20 **Salah Mehdi** (*Metz*): Representation theoretic symplectic Dirac operators

16h30–17h Coffee Break

17h00–17h30 **Norbert Mahoungou Moukoko** (*Brazzaville*): Représentations d’algèbres de Lie–Rinehart généralisées

TUESDAY, SEPTEMBER 29, 2026

SESSION I

08h30–09h20	Ajay Kumar* (<i>Delhi</i>):	L^p -Gabor transform norm on locally compact groups
09h30–10h20	Junko Inoue (<i>Tot-tori</i>):	Holomorphically induced representations of some nilpotent Lie groups
10h30–11h Coffee Break		
11h00–11h50	Volker Heiermann (<i>Marseille</i>):	On the determination of unramified spherical special automorphic representations
12h00–12h30	Aymen Rahali (<i>Mona-stir</i>):	On Visible Actions in Cartan Motion Groups
12h30–14h30 Lunch		

SESSION II

14h30–15h20	Abdelhamid Boussejra (<i>Kenitra</i>):	On the range of generalized spectral projectors on vector bundles over rank one symmetric spaces
15h30–16h20	Khalid Koufany (<i>Nancy</i>):	Group and multiplication invariant subspaces
16h30–17h Coffee Break		
17h00–17h30	Aboubacar Nibirantiza* (<i>Burundi</i>):	Geometric quantization of coadjoint superorbits and Schrödinger–Fock representations of the Heisenberg supergroup

WEDNESDAY, SEPTEMBER 30, 2026

SESSION I

08h30–09h20	Sundaram Thangavelu* (<i>Bengaluru</i>):	A Fourier transform for operators
09h30–10h20	Salma Azaouzi (<i>Sfax</i>):	Hardy's theorem on compact extensions of Nilpotent Lie Groups
10h30–11h Coffee Break		
11h00–11h50	Oshima Yoshiki (<i>Tokyo</i>):	Existence and non-existence of discrete series for homogeneous spaces
12h00–12h30	Hedi Regeiba* (<i>Gabes</i>):	The C^* -algebras of some Lie groups formed by a semi-direct product

12h30–14h30 Lunch

FREE – AFTERNOON

THURSDAY, OCTOBER 1, 2026

SESSION I

08h30–09h20	Birgit Speh (<i>Cornell</i>):	Branching problems, translation functors and applications
09h30–10h20	Boujemaa Agrebaoui (<i>Sfax</i>):	Conformal solenoidal Lie (super)algebras and their cuspidal modules
10h30–11h Coffee Break		
11h00–11h50	Béchir Dali (<i>Bizerte</i>):	An Outline on the Cortex of Nilpotent Lie Algebras
12h00–12h30	Malika Ait Ben Hadou (<i>Meknes</i>):	Lorentzian Algebraic Ricci Solitons on Four-Dimensional Nilpotent Lie Groups
12h30–14h30 Lunch		

SESSION II

14h30–15h20	Alexandre Afgoustidis (<i>Lorraine</i>):	Well-tempered symmetric spaces
15h30–16h20	Raphaël Beuzart-Plessis (<i>Marseille</i>):	Towards a local trace formula for local symmetric varieties
16h30–17h Coffee Break		
17h00–17h30	Nicolas Prudhon (<i>Metz</i>):	Connes Kasparov isomorphism and lowest K -types

FRIDAY, OCTOBER 2, 2026

SESSION I

08h30–09h20	Kangni Kinvi (<i>Abidjan</i>):	On delta-Bochner theorem
09h30–10h20	Tanaka Yuichiro (<i>Tokyo</i>):	Visibility, Coisotropy, and Sphericity on Flag Manifolds and Applications to Multiplicity-Free Representations
10h30–11h Coffee Break		
11h00–11h50	Atsumu Sasaki (<i>Tokai</i>):	Weyl group of reductive real spherical homogeneous spaces of one-dimensional fiber bundle type
12h00–12h30	Jean Bosco Kayoya (<i>Burundi</i>):	The Zeta Functional Equation for Jordan Algebras of Type III
12h30–14h30 Lunch		

SESSION II

14h30–15h20	Jorge Vargas* (<i>Corridoba</i>):	Symmetry breaking operators for Discrete Series
15h30–16h20	Dominique Manchon (<i>Clermont</i>):	Post-Lie algebras, post-groups and post-groupoids
16h30–17h Coffee Break		
17h–17h30	Closing	

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CIRM, 28 September – 2nd October, 2026

	08h30-09h20	09h30-10h20	10h30-11h	11h-11h50	12h-12h30	12h30-14h30	14h30-15h20	15h30-16h20	16h30-17h	17h-17h30	
MONDAY 28/09/2026	T. Kobayashi (Tokyo)	A. Makhlouf (Mulhouse)	coffee break	H. Fujiwara* (Fukuoka)	J. Feuto (Abidjan)	Lunch	R. Yuncken (Lorraine)	S. Mehdi (Metz)	coffee break	N.M. Moukala (Brazzaville)	
TUESDAY 29/09/2026	A.Kumar* (Delhi)	J. Inoue (Tottori)		V. Heiermann (Marseille)	A. Rahali (Monastir)		A. Boussejra (Kenitra)	K. Koufany (Nancy)		A. Nibirantiza* (Burundi)	
WEDNESDAY 30/09/2026	S. Thangavelu* (Bengaluru)	S. Azaouzi (Sfax)		Y. Oshima (Tokyo)	H. Regeiba* (Gabes)		Free Afternoon				
THURSDAY 01/10/2026	B. Speh (Cornell)	B. Agrebaoui (Sfax)		B. Dali (Bizerte)	M. Ait Ben Haddou (Meknes)		A. Afgoustidis (Lorraine)	R. Beuzart- Plessis (Marseille)	coffee break	N. Prudhon (Metz)	
FRIDAY 02/10/2026	K. Kinvi (Abidjn)	Y. Tanaka (Tokyo)		A. Sasaki (Tokai)	J. B. Koyoya (Burundi)		J. Vargas* (Córdoba)	D. Manchon (Clermont)		Closing	

* : Online lecture