

**L-functions 2018**  
SCHEDULE

Day	09:00-10:15	10:35-11:50	11:55-13:10	15:00-16:00	16:20-17:20
Monday	RR1	CSR1	CSR2	CGV	Tut1
Tuesday	SS1	UKA	SV1	CSR3	Tut2
Wednesday	SS2	SG1	SV2	DS1(SS4)	Tut3
Thursday	SS3	DP1	DS2(SV4)*	Tut4	RM1**
Friday	SB1	DP2	AN1	SV3***	Tut5
Saturday	RM2	DP3	AN2	DP4***	Tut6 (RM)

\*One hour discussion session ends at 12:55. \*\*Lecture ends at 17:35.

\*\*\*Lecture starts at 14:45.

Lunch: 12:55 - 15:00, Morning Tea: 10:15 - 10:35, Afternoon Tea 16:00 - 16:20.

RR1: L-functions of Dirichlet characters, modular forms and Artin L-functions, Adèles and Idèles.

CSR1, CSR2: Representations of real groups.

CSR3: Automorphic forms and representations.

UKA & CGV: Representations of  $GL_n(F)$  the nonarchimedean case.

SS1, SS2, SS3 and DS1: Decomposition of  $L^2(G(\mathbb{Q})\backslash G(\mathbb{A}))$  ( $G = GL_n$ ) and Eisenstein series.

SV1, SV2, SV3 and DS2: The Langlands-Shahidi method.

DP1: Introduction to the Langlands Programme.

DP1, DP2, DP3: Random Matrix Theory.

RM1, RM2 and Tut 6: Subconvexity of  $L$ -functions.

AN1, AN2: Special values of  $L$ -functions.

SB: Exponential sums.

SG: Zero free regions.

Tut 1: Strong approximation, Hecke operators.

Tut 2: Representations of real and  $p$ -adic groups.

Tut 3: Representations of real and  $p$ -adic groups, Eisenstein series.

Tut 4: Eisenstein series, the Langlands-Shahidi method.

Tut 5: Analytic number theory.

Tut 6: Subconvexity and related analytic number theory.

CGV = C. G. Venkatasubramanian, UKA = U. K. Anandavardhanan,

SS=Stever Spallone, SV = Sandeep Varma, DP = Dipendra Prasad,

RM = Ritabrata Munshi, SG = Satadal Ganguly, AN = Arvind Nair,

SB=Stephan Baier, RR = Ravi Raghunathan, CSR = C. S. Rajan