

The roles of pebbles and migration in planet formation (No 2520)

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🔗 Tuesday Plenary

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The last two decades have seen an enormous increase in observational data on exoplanets and protoplanetary discs as well as on planets and minor bodies in the Solar System. This wealth of data has allowed a new theoretical framework for planet formation to emerge. I will present the current state of knowledge of all the growth stages in planet formation - from dust to fully formed terrestrial planets, super-Earths and gas giants - with a special emphasis on the roles of pebble dynamics and radial migration for planetesimal formation and for the assembly of diverse planetary systems.