

Pencil Code User Meeting 2026

PCUM-26 · 21–25 September 2026 · University of Alicante

All times local (CEST, UTC+2)

	Monday 21 <i>getting started & GPUs</i>	Tuesday 22 <i>open topics & docs</i>	Wednesday 23 <i>chiral MHD & dynamos</i>	Thursday 24 <i>numerics & methods</i>	Friday 25 <i>final talks & wrap-up</i>
09:30 – 10:15	Introductions 2 min per person	Philippe	Deepen	Simon	Alberto
10:15 – 11:00	Axel	Illa <i>online</i>	Clara	Jorge	Vinay <i>online</i>
11:00 – 11:30	Coffee	Coffee	Coffee + group photo	Coffee	Coffee
11:30 – 12:00	Tutorial 1: beginners Touko	<i>Coding</i>	<i>Coding</i>	<i>Coding</i>	Concluding remarks + next year's agenda (to 12:30)
12:00 – 14:00	LUNCH	LUNCH	LUNCH	LUNCH	FAREWELL LUNCH
14:00 – 14:45	Tutorial 2: GPU Touko	EXCURSION	Neco	Ramkishor <i>online</i>	FREE TIME
14:45 – 15:30	Neco GPU update		<i>Coding</i>	<i>Coding</i>	
15:30 – 16:00	Coffee		Coffee	Coffee	
16:00 – 17:00	<i>Coding</i>		<i>Coding</i>	<i>Coding</i>	
<i>evening</i>	Welcome drinks informal, TBC			Conference dinner	

Talks

Axel – Pencil Code since 2025

Philippe – title TBC

Alberto – title TBC

Touko – both tutorials: beginners (Mon am), GPU (Mon pm)

Deepen – Chiral MHD in Pencil Code

Clara – Neutron star physics

Ramkishor (online) – Magnetogenesis from a pseudoscalar–gauge field interaction

Illa (online) – Document your code: let ReadTheDocs do the rest

Jorge – Hydrodynamics with physics-informed neural networks

Neco – GPU update (Mon); the Pencil and Quokka codes for small-scale dynamos (Wed)

Simon – Numerical dissipation in CFD codes

Vinay (online) – Does the plasmoid-mediated reconnection rate depend on the magnetic Prandtl number?