

TSVV3 - Regular advancement meeting

21/09/2022 – Task 7: complex geometries *Project news*

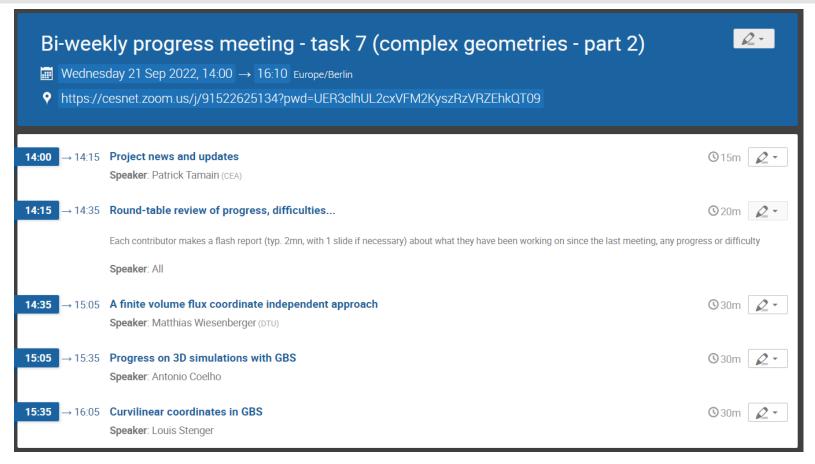
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Today's meeting agenda





In-person numerical workshop



Final dates: October 11th - 14th (Tuesday – Friday)

- ❖ Agenda in prep, likely 3 days devoted to common solver issues, 1 day devoted to code-specific aspects
 - Preparation meeting to finalize plan =>
 <u>https://doodle.com/meeting/participate/id/boQ9jk3e</u>

Paper on numerical methods for fusion?



- Contacted by editor of Journal of Computational Physics (informally for the moment) to probe the idea of a review paper on numerical methods in magnetized fusion plasma modelling
- Suggestion: limit this to fluid modelling for the edge plasma and make it a common TSVV3 paper

❖ Please give it a thought, we will discuss it more in depth at the next meeting

Latest publications



Reduced turbulence models

M Baelmans et al: 20th September 2022 | DocumentID: 33102

: Model advancements in mean-field plasma edge codes to enable computationally achievable simulations of the ITER and DEMO reactors

Conference: Fourth Technical Meeting on Divertor Concepts, Vienne, 7th November 2022.

PIC SOL modelling

D Tskhakaya et al: 19th September 2022 | DocumentID: 33097

: Dressed cross-section method

Conference: 12th International Conference on Atomic and Molecular Data and Their Applications (ICAMDATA), Mola di Bari, Italy, 25th September 2022.

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