

Traffic and Granular Flow Conference celebrates 10th Edition by returning to Jülich



The conference Traffic and Granular Flow '13 (TGF'13) [1] brought together 105 international researchers from different fields ranging from physics to computer science and engineering to discuss the latest developments in traffic-related systems.

For its tenth edition, the TGF celebratory conference returned to the location of the very first conference held in 1995 at Forschungszentrum Jülich in Germany. Prof. Achim Bachem, one of the organizers of the first TGF and now chairman of the Board of Directors of Forschungszentrum Jülich wrote in his greetings: "I am pleased to see that after so many years the field of traffic and granular flow is still progressing and that numerous problems could be solved by new facilities." But he also points out that "we are facing plenty of new challenges in these research fields".

Originally conceived to facilitate new ideas by considering the similarities of traffic and granular flow, TGF'13 now

covers a broad range of topics related to driven particles and transport systems. Besides the classical topics of granular flow and highway traffic, its scope includes data transport (Internet traffic), pedestrian and evacuation dynamics, intercellular transport, swarm behavior and collective dynamics of other biological systems. Recent progress in modelling, computer simulation and phenomenology was presented, and prospects for applications, for example to traffic control, were discussed. The conference intends to explore the interrelations between the above-mentioned fields and offers the opportunity to stimulate interdisciplinary research. This year the most prominent topic was pedestrian dynamics followed by vehicular traffic. Solely in the field of pedestrian dynamics, 47 talks were given and posters were presented. The book of abstracts can be found under [1].

Reference

[1] <http://www.tgf13.de/>

- Maik Boltes
- Armin Seyfried

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