



ALERT - Geomaterials Member Data

Team:	<i>Name of the institution: ETH Zürich</i> <i>Name of the equipe: IfB</i>
Responsible ALERT member:	<i>Name: Hans Herrmann</i> <i>e-mail: hjherrmann@ethz.ch</i>
Link to the website:	<i>www.ifb.baug.ethz.ch</i>
Size of the research group:	<i>Number of Seniors, Post-docs and Doctoral Students, Technical Assistants, ... 12</i>

Researchers	Topic(s) of interest²
<i>Dr. Ferenc Kun</i>	<i>Topic 1.1 (3 keywords) Fragmentation, discrete elements, critical energy</i> <i>Topic 1.2 (3 keywords) Fibre models, damage, shear, failure</i> <i>Topic 1.3 (3 keywords) Dynamic fracture, Rayleigh waves, Paris law</i>
<i>Dr. Falk Wittel</i>	<i>Topic 2.1 (3 keywords) Failure of composites, hybrid methods, FEM</i> <i>Topic 2.2 (3 keywords) Fracture of wood, creep, laminates</i>

Post-docs	Topic(s) of interest
<i>Dr. Dirk Kadau</i>	<i>Topic 1.1 (3 keywords) Quicksand, measurement of shear strength, dense colloids</i> <i>Topic 1.2 (3 keywords) Erosion of soils, flow in porous media</i> <i>Topic 1.3 (3 keywords) DEM simulations, loose packings</i>
<i>Dr. Humberto Carmona</i>	<i>Topic 2.1 (3 keywords) DEM simulation, fragmentation</i> <i>Topic 2.2 (3 keywords) Brazil test, asphalt</i>
<i>Dr. Reza Mahmoodi</i>	<i>Topic 3.1 (3 keywords) Space filling packings, roller bearings, conformal maps</i> <i>Topic 3.2 (3 keywords) Turbulence, Richardson law, velocity distributions</i>

Present PhD students	Title of the thesis
<i>Student 1 Lukas Zander</i>	<i>Penetration and drying of glue in wood</i>
<i>Student 2 Hansjörg Seybold</i>	<i>Formation of river deltas by erosion and deposition</i>



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<i>Student 3 Andres Pena Olarte</i>	<i>Shear bands in packings with anisotropic particles</i>
<i>Student 4 Norbert Stoop</i>	<i>Morphology of surfaces growing in fixed container</i>
<i>Student 5 Marco Cesar Luna</i>	<i>Dune motion taking into account the water level</i>