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Warnemünde goes Liège: Two events of scientific exchange in turbulence merge to a joint colloquium on marine turbulence

Every 10 years, the traditional annual Liège Colloquium on Ocean Dynamics (established in 1978) focusses on Marine Turbulence. With these decadal intervals, progress in this topic (which is of tremendous importance for the understanding of the oceans functioning) can easily be documented. This year, the Liège Colloquium on Marine Turbulence (organised in Belgium by Prof. Jean-Marie Beckers) would have collided with the 3rd Warnemünde Turbulence Days (organised in Warnemünde, Germany by Prof. Hans Burchard) - a biennial workshop series designed along specific questions in turbulence research. Therefore, the two organisers decided to put their efforts together and announced a joint Colloquium on Marine Turbulence Re-revisited to be held at the University of Liège during May 7-11. The echo in the scientific community was overwhelming, such that almost 100 scientists from four continents subscribed to the Colloquium. During each of the five conference days, which are dedicated to the topics *waves and turbulence*, *density currents and turbulence*, *ecosystem and turbulence*, *turbulence observations* and *turbulence modelling* about 12 plenary lectures inform the participants about new trends and developments in marine turbulence research. These presentations are complemented by daily poster sessions which give a lot of space for detailed discussions. The three major manufacturers of micro-structure shear probes, highly sensitive instruments for detecting small-scale ocean turbulence, will be presenting their new instruments at the Colloquium as well. Highlights of the Colloquium will be new insights into turbulence production due to breaking of waves (important for air-sea interaction), dilution of dense bottom currents due to interfacial shear (which is climate relevant because of the resulting modification of the global overturning circulation), and direct influence turbulence on the dynamics of planktonic organisms.

The major results of the Colloquium will be published as scientific articles in the Journal of Marine Systems.

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