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Special Welding Technologies in Pipelines

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ABSTRACT

The antigravitational welding processes are defined as the welding processes where the welding molten metal has the natural tendency to flow. The Welding Equipment and Technology researchers of Robotics and Welding Department of DUNĂREA DE JOS UNIVERSITY FROM GALAŢIROMANIA are working from 15 years on the field of antigravitational welding and performed theoretical and experimental activities. Experimental and industrial equipment was also designed, manufactured and tested by the team.

The paper presents briefly some laboratory stands, the main research direction and some theoretical aspects.

There are presented some diagrams useful both for designers and welders. The connection between the antigravitational plates welding and pipeline welding is detailed.

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