

- **Pneumatic pressure servoregulator with piezoelectric actuation**

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- **A new model of pneumatic transducer used in the drying stage of the ceramic products obtaining**

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Gabriela Matache, Stefan Alexandrescu, Gheorghe Sovaiala, Ioan Pavel, Iulian-Cezar Girleanu

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Radu Radoi, Marian Blejan, Iulian Dutu, Gheorghe Sovaiala, Ioan Pavel

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