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**Marian Bocea\*** ([mbocea@luc.edu](mailto:mbocea@luc.edu)), Loyola University Chicago, Department of Mathematics and Statistics, 1032 W. Sheridan Road, Chicago, IL 60660.  *$\Gamma$ -convergence of inhomogeneous functionals in Orlicz-Sobolev spaces and applications.*

The asymptotic behavior of a class of inhomogeneous functionals is undertaken via  $\Gamma$ -convergence in an Orlicz-Sobolev setting. Some applications to the study of dielectric breakdown are discussed. Joint work with M. Mihăilescu (University of Craiova and “Simion Stoilow” Institute of Mathematics of the Romanian Academy, Bucharest, Romania). (Received September 15, 2013)