

**Francis Clarke** ([clarke@desargues.univ-lyon1.fr](mailto:clarke@desargues.univ-lyon1.fr)), Institut Girard Desargues, Universit Claude-Bernard (Lyon I), France, *The Euler Equation in the Calculus of Variations and Optimal Control: A Survey*

The various forms and uses of the Euler equation in dynamic optimization are reviewed, including some new results on the issue of necessary conditions.