

# University of Southern California

The Trustees of the University by virtue of the authority vested  
in them and on the recommendation of the faculty of

## The Graduate School

have conferred the degree of

## Doctor of Philosophy Physics

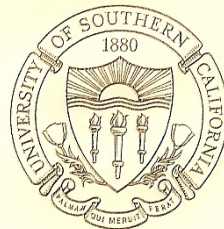
on

## Veselin Georgiev Filev

Given at Los Angeles, California, on the twelfth day of August, in the year  
two thousand and eight.

*Steven Sample*  
President of the University

*Edward C. Rahn, Jr.*  
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*Jean Morrison*  
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