Please modify this text in area with the affiliations:

Manuscript received March 9, 2017; revised June 18, 2018; accepted June 27, 2018. This work was performed under the auspices of the U.S. Department of Energy by the Lawrence Livermore National Laboratory under Contract DE-AC52-07NA27344. Released as LLNL-JRNL-754009. *(Corresponding author: Bronis R. de Supinski.)*

Manuscript received March 9, 2017; revised June 18, 2018; accepted June 27, 2018. This article has been authored by Lawrence Livermore National Security, LLC under Contract DE-AC52-07NA27344 with the U.S. Department of Energy. Accordingly, the United States Government retains and the publisher, by accepting the article for publication, acknowledges that the United States Government retains, a non-exclusive, paid-up, irrevocable, world-wide license to publish or reproduce the published form of this article or to allow others to do so, for United States Government purposes. Released as LLNL-JRNL-754009. *(Corresponding author: Bronis R. de Supinski.)*

AQ:1 = Please supply index terms/keywords for your paper. To download the IEEE Taxonomy, go to http://www.ieee.org/documents/taxonomy\_v101.pdf.

Computers and information processing

....Computer science

........Programming

............Parallel programming

....Parallel processing

........Multithreading

...Computer architecture

........Parallel architectures

............Multicore processing

........Memory management

........Accelerator architectures

AQ:2 = Please provide the postal code for “Intel, Barcelona, Intel, Nurnberg, Barcelona Supercomputing Center, Sandia National Laboratories, and Bundesministerium des Innern.”

Please change Alex Duran’s affiliation to:

Intel Corporation Iberia, Madrid 28020 Spain

Please change Michael Klemm’s affiliation to:

Intel Deutschland GmbH, 85622 Feldkirchen, Germany

For Barcelona Supercomputing Center, use Barcelona 08034 Spain

For Sandia National Laboratories, use 87185

Please change Tim Mattson’s affiliation to:

Intel, Hillsboro OR 97124

AQ:3 = Please provide the expansion for “SIMD.”

Single Instruction Multiple Data