

# FPGA-Based Accelerator Development for Non-Engineers

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Thesis submitted to the Faculty of the  
Virginia Polytechnic Institute and State University  
in partial fulfillment of the requirements for the degree of

Master of Science  
in  
Computer Engineering

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April 15, 2014

Blacksburg, Virginia

Keywords: FPGA, Heterogeneous Computing, HPC, Big-data, Life Sciences

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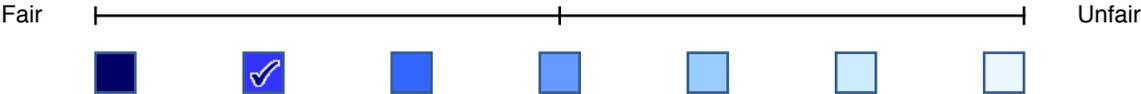
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|------------------------------|---|
| <b>Name:</b>                 | David Uliana  |
| <b>Job Title:</b>            | Student   |
| <b>Institution:</b>          | Virginia Tech   |
| <b>Title of Work Used:</b>   | Figures 2 and 3 from "Implementation of the Smith-Waterman Algorithm on a Reconfigurable Supercomputing Platform" |
| <b>Copyright Holder:</b>     | Altera Corporation  |
| <b>Publication Status:</b>   | Published   |
| <b>Publisher:</b>            | ACM   |
| <b>Place of Publication:</b> | New York, NY, USA   |
| <b>Publication Year:</b>     | 2007  |
| <b>Description of Work:</b>  | Two figures representing the wavefront computation of the Smith-Waterman scoring matrix.                          |
| <b>Date of Evaluation:</b>   | May 7, 2014   |
| <b>Date of Intended Use:</b> | May 7, 2014   |

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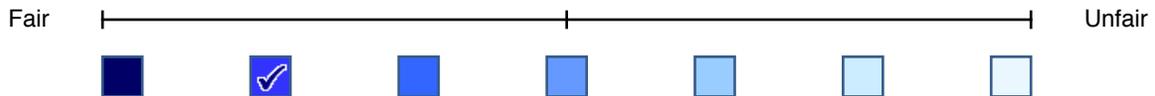
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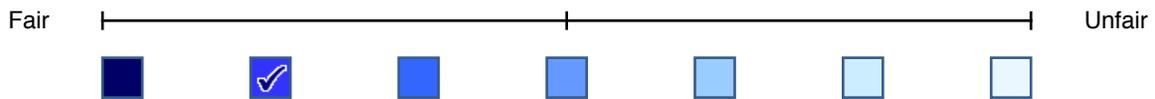
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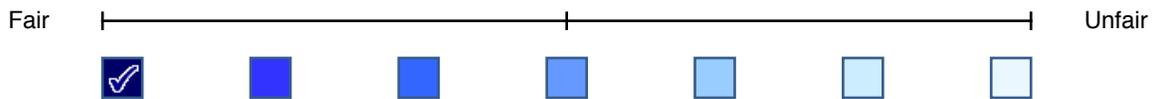
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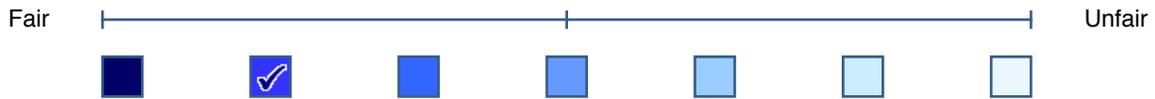
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Signature: David Uliana

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## Use of Convey documentation figures in master's thesis

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Glen Edwards <gedwards@conveycomputer.com>

Wed, Apr 30, 2014 at 9:06 AM

To: David Uliana <ulianadc@gmail.com>

David,

Absolutely, no problem. Only requirement is that it say Convey in the picture or caption.

I may even be able to send you the source for the drawings if that would be helpful.

glen

On Wed, Apr 30, 2014 at 7:39 AM, David Uliana <ulianadc@gmail.com> wrote:

Hi Glen, hope things are well! I'm finishing up some paperwork for my M.S. thesis (attached), and I'm seeking written permission to include the following figures in the document:

[from the Convey HC-1 Personality Development Kit Reference Manual]

- *Figure 2.1: Convey HC-1 system architecture* (pg 11)
- *Figure 2.2: HC-1 Application Engine (AE) architecture* (pg 12)

[from the Convey HC-2 Computer Architectural Overview]

- *Figure 2.3: Convey's Personality Development Kit (PDK) process for developing custom personalities* (pg 13)

Are you able and willing to provide such permission?

Thanks for your time. Cheers!

- David