グローバルＣＯＥセミナー開催案内

バトラー先生を講師としてお迎えし、なにかと話題に上っている、リコンフィギャラブルコンピューティングの応用と将来動向について紹介します。

日時：平成２０年７月１６日（水）１４：００－１６：００
場所：電子情報システム・応物系１号館４５１会議室

主催：東北大学グローバルＣＯＥ「情報エレクトロニクスシステム教育研究拠点」
共催：ニューパラダイムコンピューティング研究会

講演題目：**On the Application of Reconfigurable Computing**

講師： Jon T. Butler （Naval Postgraduate School, USA）

Abstract

This talk focuses on the use of reconfigurable computers in parallel processing applications. It is tutorial discussion that is intended to acquaint the audience with the advantages and limitations of this new technology. It is limited to scientific applications. To illustrate the opportunities for a scientific programmer, we will consider an application that exploits the benefits of a reconfigurable computer. Then, we will discuss the programming environment associated with a state-of-the-art reconfigurable computer, the SRC-6, manufactured by SRC Computer, in Colorado Springs, CO. This is intended to give the audience an understanding of the differences between programming a reconfigurable computer and a conventional computer. We will explore the reason for these differences by considering the architecture of a reconfigurable computer. Finally, we will discuss disadvantages of reconfigurable computing and attempt to predict what future opportunities reconfigurable computers offer.