



Project Acronym: Fun-COMP

Project Title: Functionally scaled computing technology: From novel devices to non-von Neumann architectures and algorithms for a connected intelligent world

WP5

Dissemination and Exploitation

(WP Leader UOXF)

Deliverable D5.4: Article published in popular scientific/technical magazine/website

Deliverable ID: D5.4

Deliverable title: Article published in popular scientific/technical magazine/website

Revision level: Final

Partner(s) responsible: UOXF

Contributors: UNEXE (C D Wright) WWU (W Pernice) UOXF (H Bhaskaran)

Dissemination level: PU¹

¹ CO: Confidential, only for members of the Fun-COMP consortium (including the Commission Services); PU: Public.

Summary

Fun-COMP partners (Wright, Bhaskaran and Pernice) were invited to contribute a review type article covering the work of the project to a special edition of the MRS Bulletin, published in August/September 2019.

The MRS Bulletin is a widely read and popular scientific publication, and by taking up this invitation widespread publicity for, and dissemination of, the activities and achievements of the Fun-COMP project were achieved.

In addition to the published article itself, the Fun-COMP coordinator, C D Wright, contributed to a live online MRS webinar linked to the article, and that was broadcast on 25th September 2019. This boosted dissemination of Fun-COMP activities still further.

The MRS article can be accessed via the weblink

<https://www.cambridge.org/core/journals/mrs-bulletin/issue/phasechange-materials-in-electronics-and-photonics/21F24D64E1977CF685717FAC3B9150CF>

A screenshot of the front page of the article is given below

The screenshot shows the front page of an article on the MRS Bulletin website. The page header includes the MRS logo, 'Presented by Cambridge Core', and a search bar. Navigation links for 'Browse subjects', 'What we publish', 'Services', and 'About Cambridge Core' are visible. The article title is 'Integrated phase-change photonic devices and systems' from Volume 44, Issue 9 (Phase-Change Materials in Electronics and Photonics), September 2019, pp. 721-727. The authors listed are C. David Wright, Harish Bhaskaran, and Wolfram H.P. Pernice. The abstract features a color-coded diagram of a photonic device structure. The text of the abstract discusses the integration of phase-change materials into silicon photonics for neuromorphic computing. A 'Keywords' sidebar on the right lists 'memory', 'phase transformation', and 'nucleation and growth'. At the bottom, there are buttons for 'View HTML', 'Share content', 'Export citation', and 'Request permission'.

The associated webinar can be accessed via the link

<https://mrs.digitellinc.com/mrs/sessions/31767/view>