COURSE DETAIL

PARALLEL PROGRAMMING LANGUAGES AND SYSTEMS
Country United Kingdom - Scotland
Host Institution University of Edinburgh
Program(s) University of Edinburgh
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Computer Science
UCEAP Course Number 128
UCEAP Course Suffix
UCEAP Official Title PARALLEL PROGRAMMING LANGUAGES AND SYSTEMS
UCEAP Transcript Title PARALLEL PROG LANGS
UCEAP Quarter Units 4.00
UCEAP Semester Units 2.70

Course Description

The course familiarizes students with the issues involved in designing, implementing, and applying parallel programming systems. Initial motivation is provided by consideration of a number of typical high performance applications and parallel architectures. This highlights the role of parallel software systems as a means of bridging the gap between these and allows abstraction of the issues which must be addressed by any such system (partitioning, communication, agglomeration, scheduling). It explores the ways in which these challenges have been addressed by a range of systems, including both de facto standards and more adventurous research projects.

Language(s) of Instruction
English

Host Institution Course Number
INFR11226

Host Institution Course Title
PARALLEL PROGRAMMING LANGUAGES AND SYSTEMS

Host Institution Course Details
http://www.drps.ed.ac.uk/23-24/dpt/cxinfr11226.htm

Host Institution Campus
Edinburgh

Host Institution Faculty

Host Institution Degree

Host Institution Department
Informatics

Course Last Reviewed
2023-2024

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