



**Alain Cazes  
Joëlle Delacroix**

# **Architecture des machines et des systèmes informatiques**

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# Architecture Des Machines Et Des Systemes Informatiques Edition

**Alain Cazes, Joëlle Delacroix**



## **Architecture Des Machines Et Des Systèmes Informatiques Egrèvement Édition:**

**Architecture des machines et des systèmes informatiques** Alain Cazes, Joëlle Delacroix, 2003 Cet ouvrage présente le fonctionnement d'un ordinateur au niveau matériel et au niveau système d'exploitation. Ainsi l'ordinateur est étudié depuis son niveau le plus haut celui du langage de programmation de haut niveau et celui de l'interface du système jusqu'à son niveau le plus bas celui de l'exécution binaire et des composants électroniques. Pour chaque fonction ou composant de la machine les notions de base sont présentées puis les concepts sont approfondis. Des exemples sont donnés appuyant sur des architectures base de processeurs connus ainsi que sur des systèmes d'exploitation tels que UNIX Linux Windows ou encore MVS. L'ouvrage se compose de trois grandes parties: introduction des notions d'algorithmes et étude de la chaîne de production de programmes; étude du fonctionnement d'un ordinateur au niveau matériel. Les fonctions d'exécution de mémorisation et de communication sont abordées l'une après l'autre; étude du fonctionnement d'un système d'exploitation. Cette partie présente les notions de processus d'ordonnancement et de synchronisation; étudie les différents mécanismes de gestion mémoire et étudie les principes liés aux systèmes de gestion de fichiers. Chaque partie se achève par un ensemble d'exercices corrigés. Cet ouvrage est plus particulièrement destiné aux étudiants de premier cycle informatique mais il constitue également un bon ouvrage de référence pour les étudiants d'IUT et les élèves ingénieurs.

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In an electronic digital era where connections and knowledge reign supreme, the enchanting power of language has be more apparent than ever. Its ability to stir emotions, provoke thought, and instigate transformation is actually remarkable. This extraordinary book, aptly titled "**Architecture Des Machines Et Des Systegravemes Informatiques Egraveme Eacuteditio**n," written by a very acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound impact on our existence. Throughout this critique, we will delve to the book is central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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