Computer Science A Structured Programming Approach Using C

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this unique collection introduces ai machine learning ml and deep neural network technologies leading to scientific discovery from the datasets generated both by supercomputer simulation and by modern experimental facilities huge quantities of experimental data come from many sources telescopes satellites gene sequencers accelerators and electron microscopes including international facilities such as the large hadron collider lhc at cern in geneva and the iter tokamak in france these sources generate many petabytes moving to exabytes of data per year extracting scientific insights from these data is a major challenge for scientists for whom the latest ai developments will be essential the timely handbook benefits professionals researchers academics and students in all fields of science and engineering as well as ai ml and neural networks further the vision evident in this book inspires all those who influence or are influenced by scientific progress

the book under review is indeed a guide and a practical one too but it is not only for engineers and physical scientists it is useful to all those who communicate technical information or need to and want to do the job well the book achieves the objectives every phd student may not want to read the book but should and will not regret it european science editingread this book before you write your thesis or journal paper communicating science is a textbook and reference on scientific writing oriented primarily at researchers in the physical sciences and engineering it is written from the perspective of an experienced researcher it draws on the authors experience of teaching and working with both native english speakers and english as a second language esl writers for the range of topics covered this book is relatively short and tersely written in order to appeal to busy researchers graduate students and early career researchers will be guided through the researcher s basic communication tasks writing theses journal papers and internal reports presenting lectures and posters and preparing research proposals extensive best practice examples and analyses of common problems are presented advanced researchers who aim to commercialize their research results will be introduced to business plans and patents so that they can communicate optimally with patent attorneys and business analysts likewise advanced researchers will be assisted in conveying the results of their research to the industrial

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