### C References:

- 1. B. W. Kernighan, D. M. Ritchie: **The C Programming Language**, 2nd edition, Prentice Hall Professional Technical Reference, 1988.
- Perry Greg, and Dean Miller: C Programming: Absolute Beginner's Guide, 3rd edition. Que, 2013.
- 3. SG Kochan: **Programming in C**, Indiana: Sams, 3, 2004.
- 4. Samuel P. Harbison and Guy L. Steele Jr.: **C: A Reference Manual**. Prentice-Hall, 5th edition, 2002.
- 5. <a href="https://gcc.gnu.org/">https://gcc.gnu.org/</a>
- 6. <a href="https://www.gnu.org/software/libc/manual/html\_node/index.html">https://www.gnu.org/software/libc/manual/html\_node/index.html</a>
- 7. https://www.tutorialspoint.com/c standard library/index.htm
- 8. <a href="https://www.cprogramming.com">https://www.cprogramming.com</a>

#### Fortran References:

- 1. L. Chamberland: **FORTRAN 90: A Reference Guide**, Prentice Hall, 1996.
- 2. W Gehrke: **Fortran 90 Language Guide**, London: Springer-Verlag; 1995.
- 3. J. C. Adams, W. S. Brainerd, J. T. Martin, B. T. Smith, and J. L. Wagener: Fortran 90 Handbook: Complete ANSI/ISO Reference, McGraw-Hill, 1992.
- 4. S. J. Chapman: Fortran 90/95 for Scientists and Engineers, McGraw-Hill Higher Education, 2004.
- 5. https://gcc.gnu.org/
- 6. <a href="https://gcc.gnu.org/onlinedocs/gfortran/index.html">https://gcc.gnu.org/onlinedocs/gfortran/index.html</a>
- 7. https://www.fortran90.org/
- 8. https://fortran-lang.org/en/learn/

## **HPC References:**

- 1. Ian Foster: Designing and Building Parallel Programs, Addison Wesley, 1995.
- 2. Georg Hager, Gerhard Wellein: Introduction to High Performance Computing for Scientists and Engineers, CRC Press, 2010.
- 3. Victor Eijkhout, Edmond Chow and Robert van de Geijn: Introduction to High Performance Scientific Computing, Zenodo, 2016.
- 4. Thomas Sterling, Maciej Brodowicz, Matthew: **High Performance Computing: Modern Systems and Practices**, Morgan Kaufmann, 2017.
- 5. <a href="https://hpc.llnl.gov/documentation/tutorials/introduction-parallel-computing-tutorial">https://hpc.llnl.gov/documentation/tutorials/introduction-parallel-computing-tutorial</a>

# OpenMP References:

- 1. All OpenMP standard documents: www.openmp.org
- 2. R.Chandra, L. Dagum, D. Kohr, D. Maydan, J. McDonald, and R. Menon: **Parallel programming** in **OpenMP**, Academic Press, San Diego, USA, 2000.
- 3. Barbara Chapman, Gabriele Jost, and Ruud van der Pas: Using OpenMP, MIT Press, 2008.
- 4. https://hpc-tutorials.llnl.gov/openmp/

## MPI References:

- 1. All MPI standard documents: www.mpi-forum.org
- 2. Peter S. Pacheco: Parallel Programming with MPI, Morgen Kaufmann Publishers, 1997.
- 3. William Gropp et al.: MPI: The Complete Reference, Vol. 2, 1998.
- 4. William Gropp et al.: Using MPI: Portable Parallel Programming With the Message-Passing Interface, MIT Press, 3<sup>rd</sup> edition, Nov. 2014.
- 5. William Gropp et al.: Using Advanced MPI: Modern Features of the Message-Passing Interface, MIT Press, Nov. 2014.
- 6. <a href="https://hpc-tutorials.llnl.gov/mpi">https://hpc-tutorials.llnl.gov/mpi</a>