

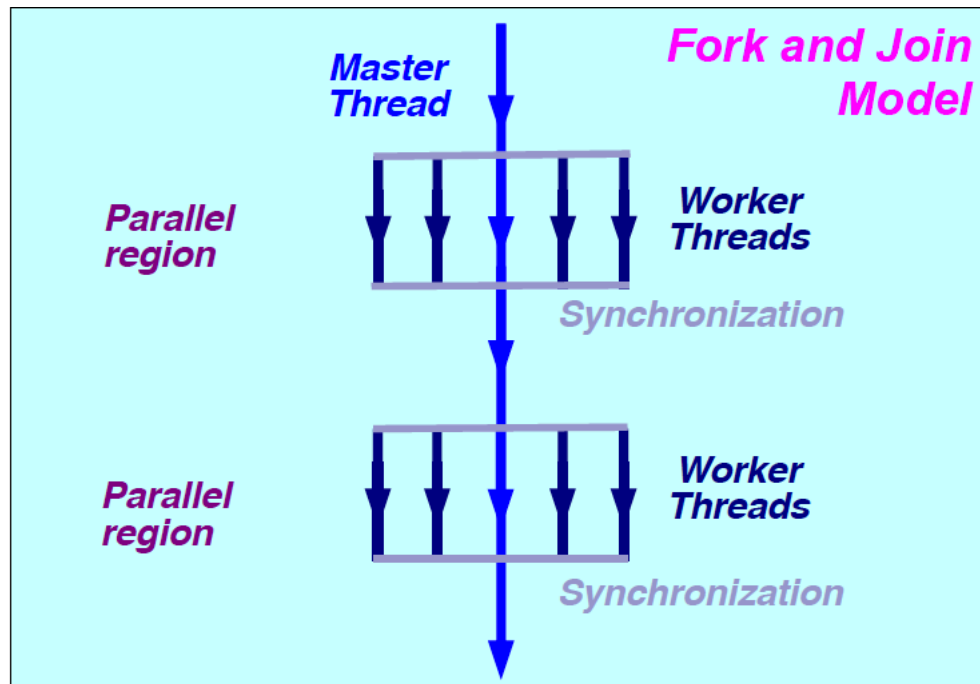
# Curs 10

## Programare Paralela si Distribuita

OpenMP

- OpenMP
  - <http://www.openmp.org>
- Tutorial:
  - TutorialOpenMP.pdf in  
“Class Materials” - Cursuri

# OpenMP Model



# Agenda

- #pragma omp parallel
  - regiune paralela
  - clauze:
- #pragma omp for
  - clauze
  - reduce
- #pragma omp sections
  - clauze
- #pragma omp barrier
- #pragma omp critical

# OpenMP Runtime Functions

- `omp_set_num_threads`: Set number of threads
- `omp_get_num_threads`: Number of threads in team
- `omp_get_max_threads`: Max num of threads for parallel region
- `omp_get_thread_num`: Get thread ID