

## **Journals and conference**

### **Journals**

- 1. IEEE Transactions on parallel and distributed systems**
- 2. IEEE Transactions on pattern analysis and machine intelligence**
- 3. Supercomputing**
- 4. Journal of parallel and distributed computing**
- 5. Parallel computing**

### **Conferences**

**Supercomputing conference (HPC conference)**  
**International conference on parallel processing**  
**International parallel and distributed symposium**

## **Applications on supercomputing**

1. **Google**
2. **Google scholar**
3. **Citeceer**
4. **UTA Library**
  1. **IEEE Xplore Database**
  2. **Elsevier database, Science Direct**
  3. **ACM database**
  4. **Springer**

## **Searching for papers**

1. **Vision and imaging (Yeager, Hashmi, Deng, Harrison)**
2. **Telemedicine**
3. **Machine learning (Isse, Mojra, Na, Nelakuditi, Patel, G.C.,**
4. **Traffic modelling (Arukwe)**
5. **Galaxy Simulation (Sims, Nagaraju, Veeramachaneni, Boddu, Bolaj)**
6. **Earth and Ocean modelling and simulation (Thallu, Lingudu)**
7. **DNA sequencing (Thirunavukkarasu)**
8. **Genome Assembly**
9. **Drug Discovery**
10. **Genetics (Kappala)**
11. **Brain Simulation**
12. **Computational Biology (Zhong,**
13. **Data mining( Guerrero, Hajra,**
14. **Human body Simulation**
15. **Models of human physiology**
16. **Heart, lung and other organ Modelling (Dontha, Savani, Jain)**
17. **Fluid Dynamics (Li)**
18. **Molecular Dynamics**
19. **Nuclear Fusion and Fission (Challa)**

## **Project presentation**

**Title of the Main paper reference (author names, title, journal or conference name, date)**

**Student name**

**(Paper Submission deadline: **March 12,****

****March 28** (email the instructor the powerpoint file)**

**Powerpoint file (and additional secondary papers) due**

**Filename (student's last name): Firstname-lastname.ppt**

**Must give slide numbers**

## **Presentation Submission**

- 1. The Powerpoint file (powerpoint file) attachment**  
**PPT file name Singh-march-8-2022.ppt**
- 2. The primary paper (pdf) attachmnt**
- 3. The paper reference of the primary paper (text)**

**Example: John Smith and David Peters, “The Best Algorithm ever,”**  
***IEEE Journal of Best Algorithms*, Jan. 2022, pp. 56-84.**

**Project presentation (15 minutes)**

**The problem itself**

**Computational Aspects**

**Parallel Processing aspects and challenges**

**Parallel Approaches and Methodology**

**Results**

**Your comments and conclusions**

**Future extensions and unsolved problem**

**All references**

**No cut and paste**

## Evaluation

- Understanding 20%
- Quality of slides 20%
- Quality of presentation 20%
- Effort 20%
- Q&A and participation 20%

Email me how many questions you asked in one class (email me after every class of presentation)