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My Research Interests

- Parallel and Distributed Computing and Systems
- Braille Computer System

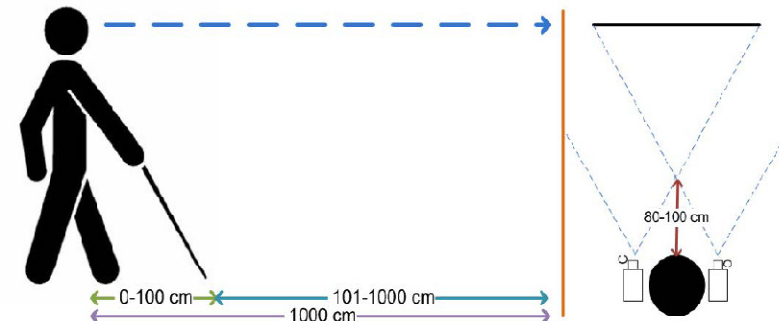
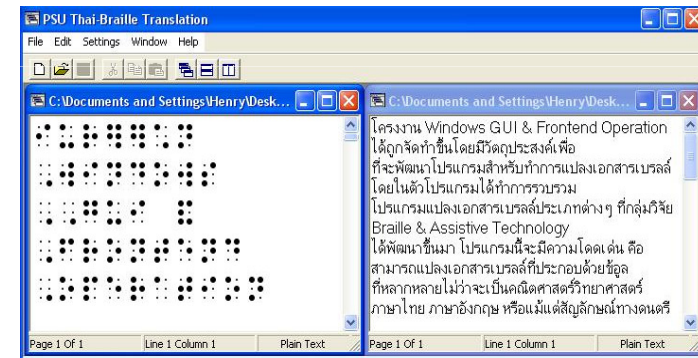
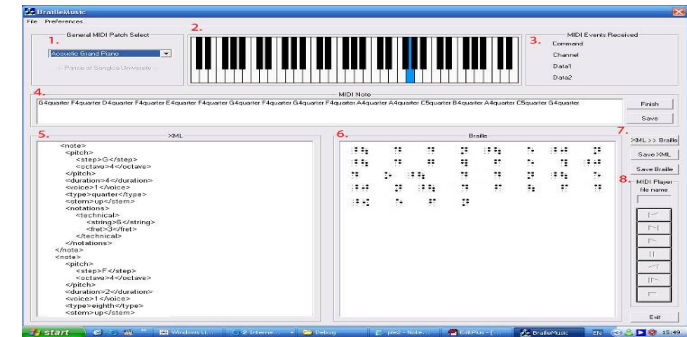
Parallel and Distributed Computing and Systems

- Parallel and Distributed Computing
- Distributed Interactive Simulation



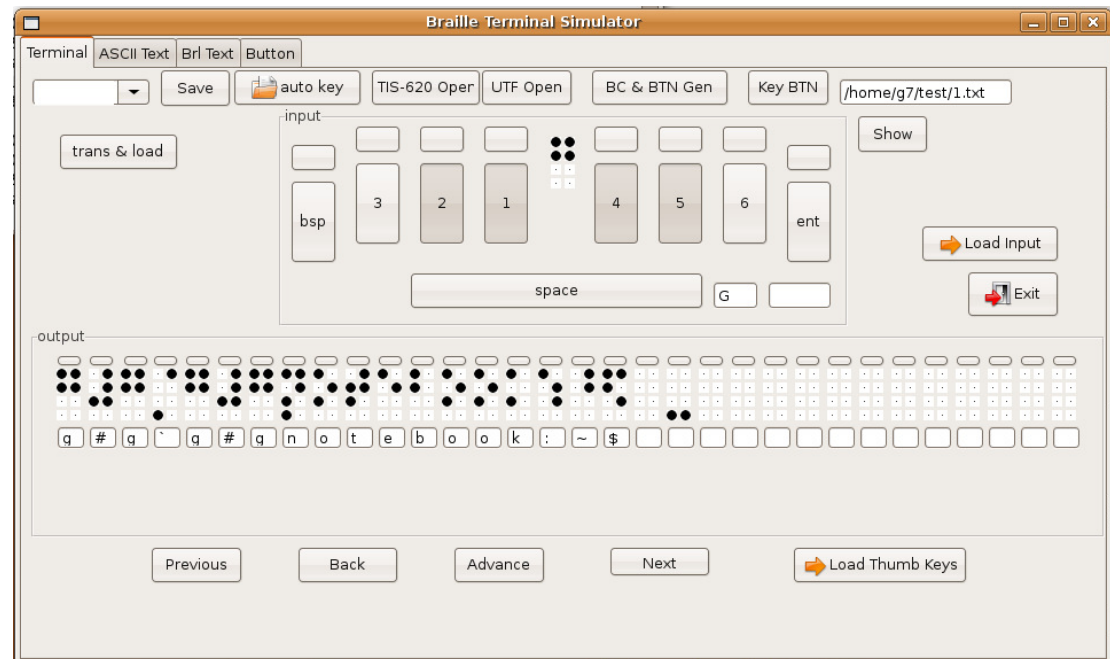
Braille Computer System

- Braille Notebook and Keyboard and Braille Display Units
- Braille -XML– Thai Translation/Conversion
- Stereo Vision for the Visually Impaired



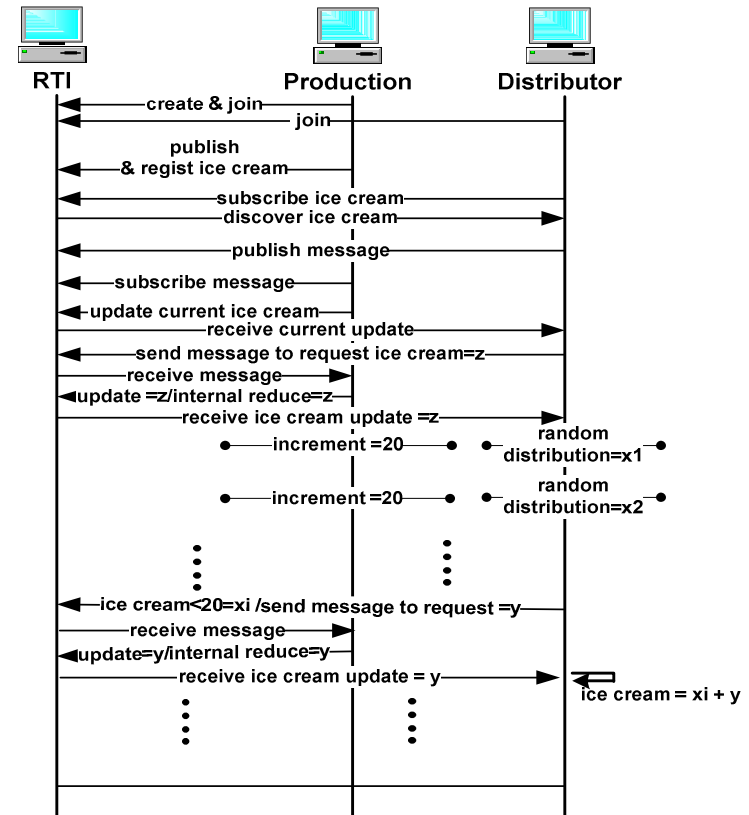
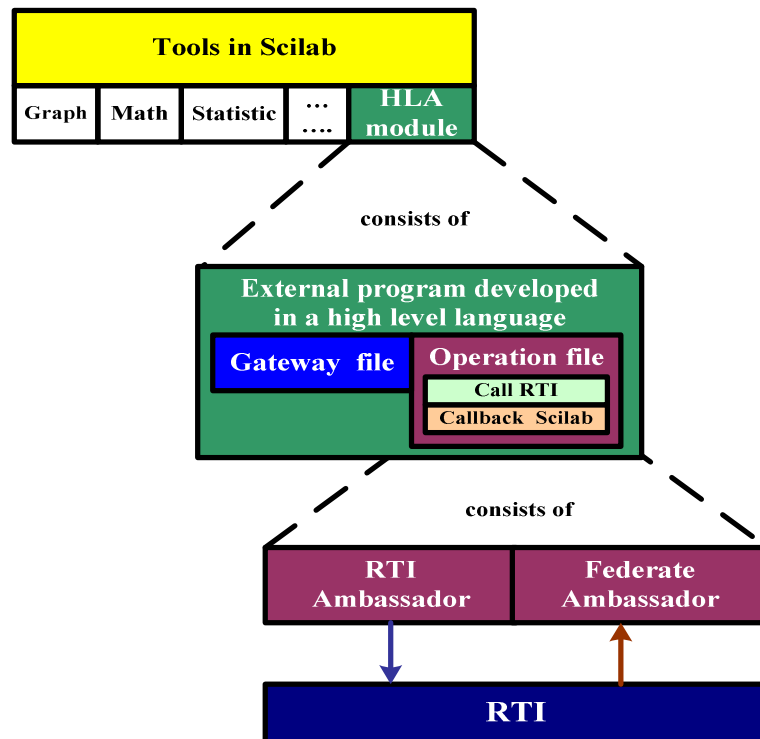
My PG Students' Publications

- วรพล ทินกรสุติบุตร, อดิสรณ์ จันทร์พริ้ม และ พิชญา ตัณฑัยย์, *การแปลงข้อมูลเบรลล์และไทยแบบทันทีทันใด (Thai Braille on the Fly Translation)*



My PG Students' Publications

- Thitima Theppaya, [Pichaya Tandayya](#) and Chatchai Jantaraprim, [Integrating HLA with Scilab](#)

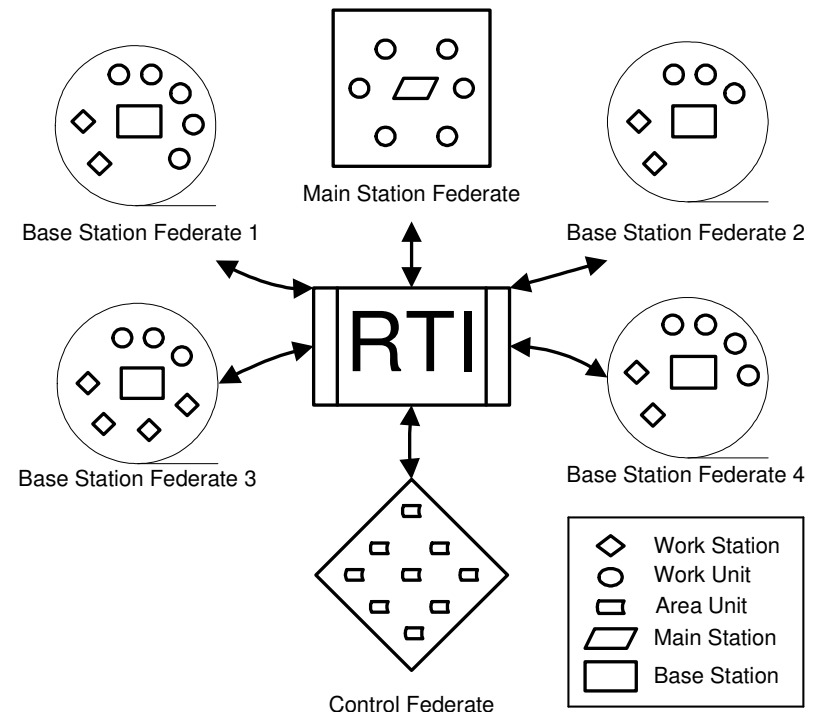


My PG Students' Publications

- Chirawat Wattanapanich and Pichaya Tandayya, Distributed simulation of an emergency system for the flood disaster in Hat Yai

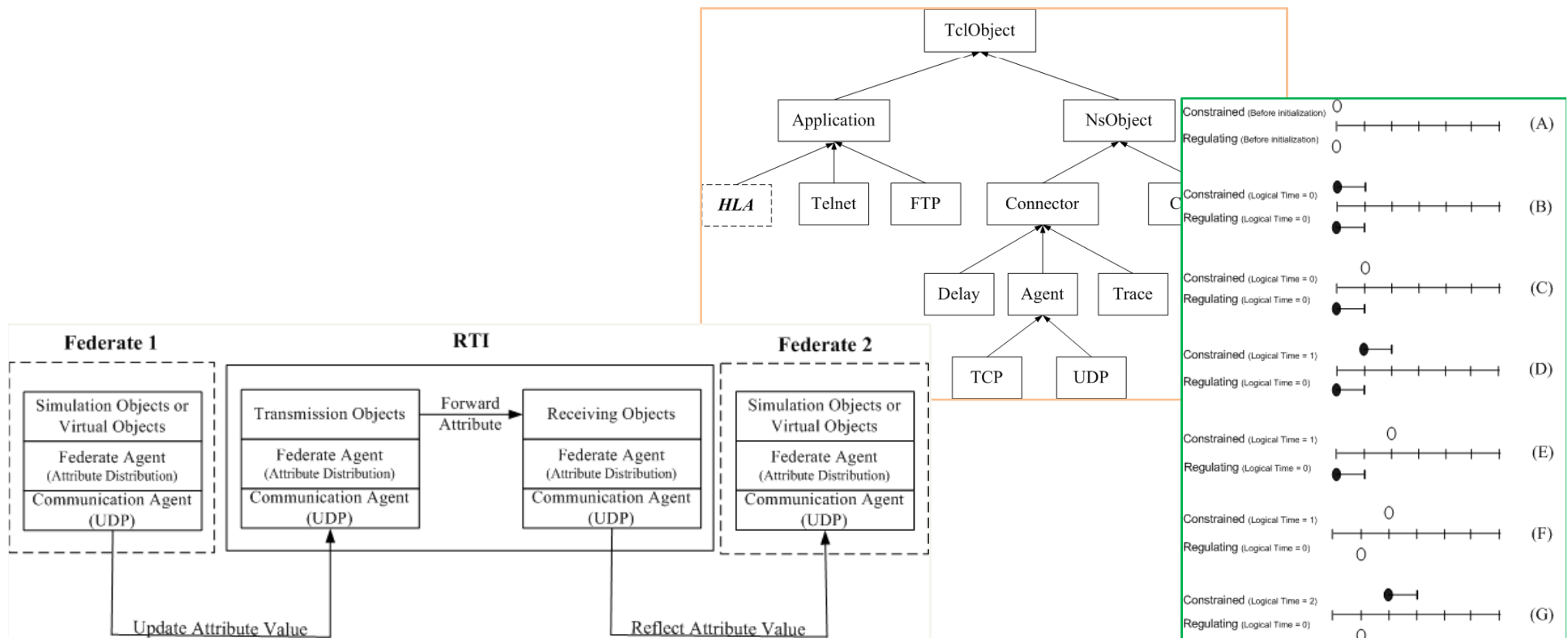
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Control Model	S	S	S	S	PS
Main Station Model	PS	S	S	PS	S
Base Station Model	S	PS	PS	PS	S

P: Publication S: Subscription



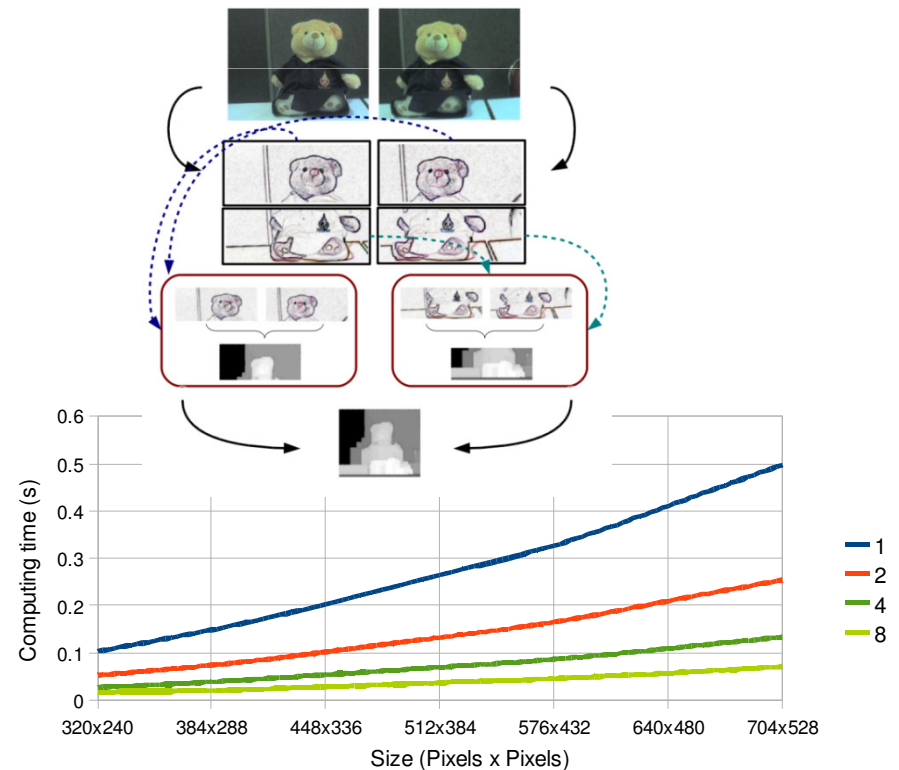
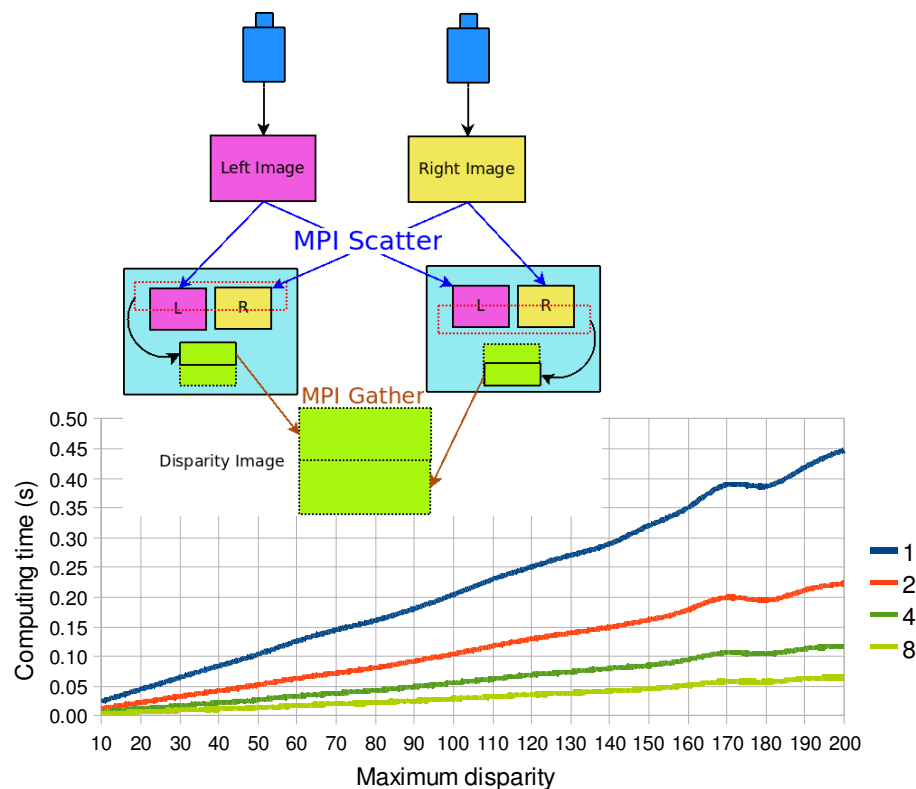
My PG Students' Publications

- Atinat Palawan, [Pichaya Tandayya](#), and Suntorn Witosurapot, [Analyzing the HLA Performance with the NS Network Simulation tool](#).



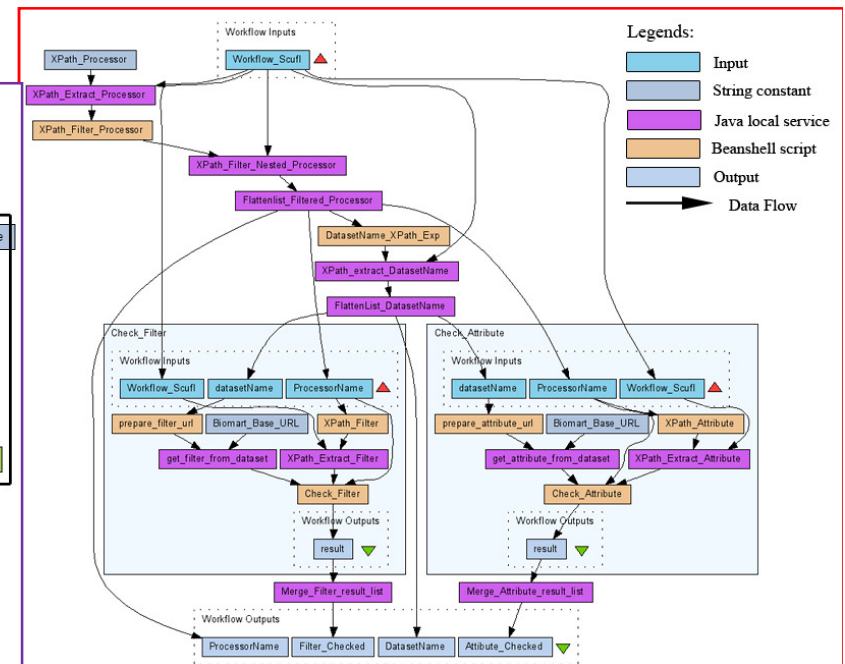
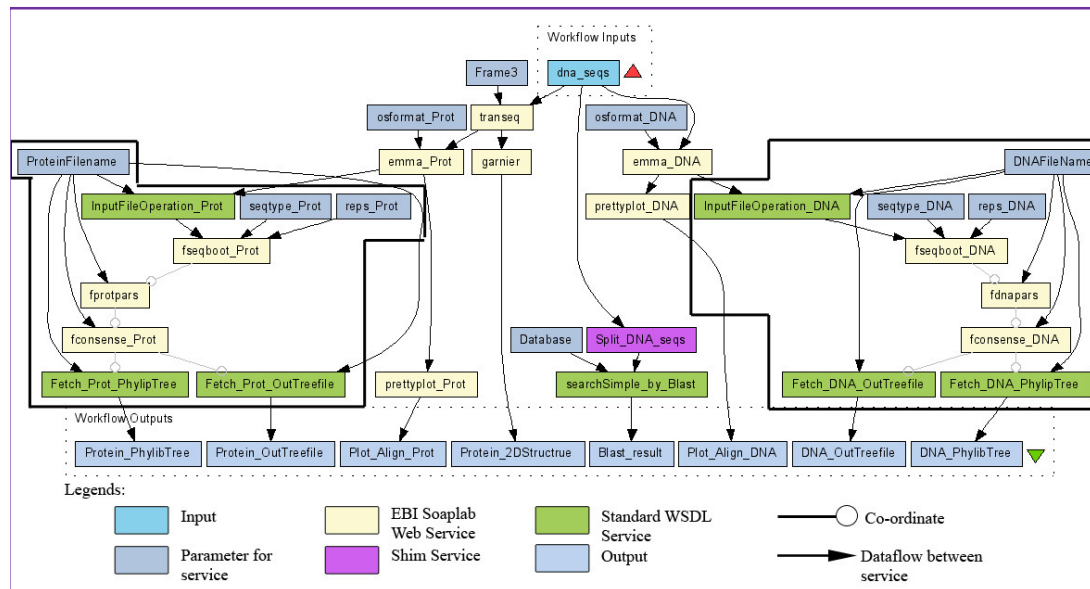
My PG Students' Publications

- Thanathip Limna, [Pichaya Tandayya](#) and and Nikom Suvonvorn, [Stereo Vision Utilizing Parallel Computing for the Visually Impaired](#)



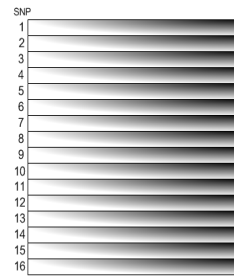
My PG Students' Publications

- Kasikrit Damkliang and Pichaya Tandayya, *Suitable workflows and Web services for SNP analysis*

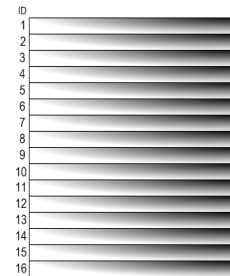


My PG Students' Publications

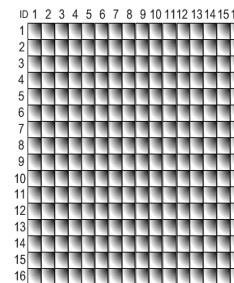
- U. Sangket, S. Mahasirimongkol, W. Chantratita, P. Tandayya, A. Phongdara and Y. S. Aulchenko, *Efficient Data Computation of GWAS Study Utilizing Parallelization*, PhD in Bioinformatics.



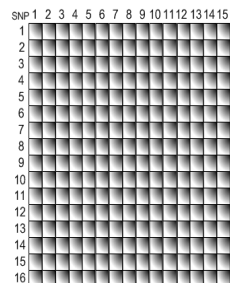
a) Type1



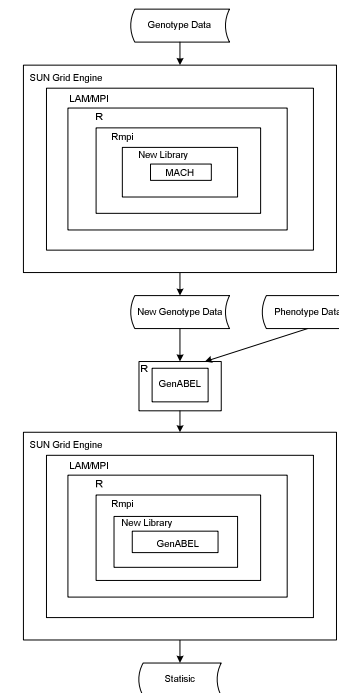
b) Type2



c) Type3



d) Type4



Future Work

- Enhancement and Optimization Study for Bioinformatics Grid Portal
- Applying Parallel Computing to help computing Bangkok's traffic
- Applying Parallel Computing to help stereo vision
- Other topics are also welcome