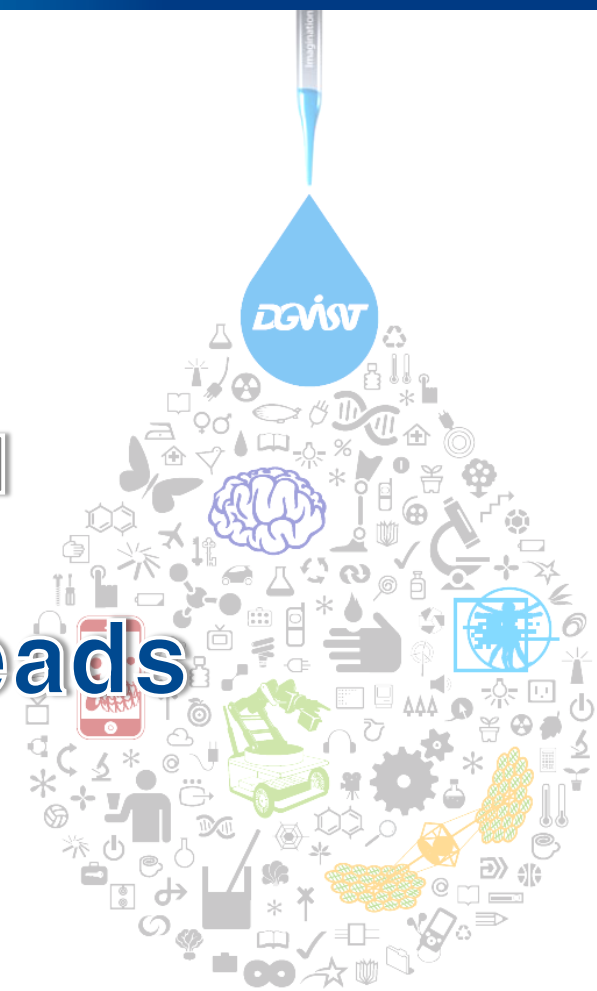


# IC621: Distributed and Parallel Computing (Spring 2014)

## Lab 07: TSP using Pthreads

Min-Soo Kim



# Traveling Salesperson Problem using Pthreads (labs for two weeks)

## ■ Generating input adjacency matrix (given by TA)

- a total number of cities : 15
- hometown : city 0
- edge weight : 1 ~ 99 (random number)

0	9	19
5	0	71
28	35	0

## ■ Implement serial program for TSP

## ■ Implement parallel program using Pthreads

- week 1: static scheduling
- week 2: dynamic scheduling

## ■ Measure the elapsed times of both versions

- serial version
- parallel version : varying # of threads {2, 4}

# Submission

- Source code

- Report

- best tour and its cost
- elapsed times

	scheduling	
version	static	dynamic
serial		
parallel (#threads=2)		
parallel (#threads=4)		

- Submit your codes to TAs ([bm010515@dgist.ac.kr](mailto:bm010515@dgist.ac.kr), [chan150@dgist.ac.kr](mailto:chan150@dgist.ac.kr))

- by 1:00pm, 11/21(Tue) for serial version & static scheduling
- by 1:00pm, 11/28(Tue) for dynamic scheduling

Thank you!

