

SNU College of Engineering

Summer University 2018

**with the University of Applied Sciences and Arts,
Western Switzerland**



CoE – HEIG-Vd Summer University Program

- bilateral program between the Dept. of Computer Science and Engineering and the University of Applied Sciences and Arts, Western Switzerland (HEIG-Vd)
- location alternates between the two countries
(2016 – Switzerland, 2017 – Korea, **2018 – Switzerland**, 2019 – Korea, ...)
- four lectures on selected topics in Computer Science
 - 4 x 20 lessons of 45 minutes, i.e. 60h total
- participants
 - 10 third/fourth-year undergraduates from both countries
 - open to all SNU CoE students with a sufficient background in Computer Science and Engineering
 - sufficient proficiency in English required

Summer University 2018 – Overview

- **Location:** HEIG-Vd, Yverdon-les-Bain
- **Date:** August 10 to 24, 2018
- **Participants SNU CoE**
 - lecturers: Prof. Srinivas Satti, Prof. Jae W. Lee
 - 10 undergraduates
- **Lecture topics**
 - Space-efficient data structures and algorithms (Prof. Srinivas Satti, SNU)
 - How Modern Processors Work (Prof. Jae W. Lee, SNU)
 - Machine Learning (Prof. Stephan Robert, HEIG-Vd)
 - Introduction to Ethical Hacking (Prof. Alexander Karlov, HEIG-Vd)
- **Grade/Credits**
 - classes are graded.
With a passing grade, 3 credits can be obtained in the next semester (“공학지식의 실무 응용”)

Summer University 2018 – Goal

- **This is not going to be (only) a nice paid vacation!**

- **We want to**
 - foster scientific and cultural exchange of our students
 - enable you to experience first hand different countries and customs
 - allow you to build networks and connections

- **We expect you to**
 - to participate actively and work hard
 - to exchange with the Swiss students

- **In return**
 - we pay almost the entire trip for you
 - and you get credits

Summer University 2018 – Program

Mon	Tue	Wed	Thu	Fri	Sat	Sun
		August 1 Swiss National Day	2	3	4	5
August 6	7	8	9	10	11	12
		← Arrival →		Opening Social Event		Field Trip
13	14	15	16	17	18	19
Courses Week 1						Field Trip
20	21	22	23	24	25	26
Courses Week 2				Closing Ceremony	← Departure →	

Summer University 2018 – HEIG-Vd

■ HEIG-Vd is the School of Business and Engineering

- "Haute Ecole d'Ingénierie et de Gestion du Canton de Vaud«
- branch of the University of Applied Sciences and Arts, Western Switzerland
- one of (very few) universities in Switzerland
- very practical, lots of collaboration with industry
- offers Bachelor and Master degrees
- <http://www.heig-vd.ch/international>

Summer University 2018 – Location Overview



Summer University 2018 – Location

- HEIG-Vd is located in Yverdon-les-Bains
- Classes and accommodation are located in Yverdon



Summer University 2018 – HEIG-Vd

- The HEIG-Vd Computer Science department is located in the St-Roch campus



Summer University 2018 – Accommodation

■ FMEL, Fondation Stähli, Yverdon

- Student and faculty housing in Yverdon-les-Bains
- Deposit per room: CHF 100 (returned when moving out)
- You cook your own breakfast and dinner
 - ▶ kitchen and kitchen utensils available



Summer University 2018 – Cost

■ Paid for by the College of Engineering and HEIG-Vd

- flight
- accommodation
- lunch during class days
- local transportation

■ You need to take care of

- travel insurance
- breakfast and dinner, lunch on weekends
- CHF 100 deposit for accommodation (“방 보증금”)
- private expenses

Summer University 2018 – Selection Process

■ Eligible to apply

- undergraduate students of the College of Engineering
- in principle third and fourth-year students, exceptions may be made

■ Selection process

- sufficient background in Computer Science and Engineering classes
- sufficient proficiency in English to follow lectures
- grades and statement
- participation in SU17 is a plus

■ Application form

- on CoE and CSE homepage

Application deadline: Monday, May 7, 17:00

Summer University 2018

■ More Information

<http://www.stephan-robert.ch/summer-university/2018-summer-university/>

■ Questions? Contact

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