

Córdoba HiPerNav Week

10 – 18 September, 2018



Marie Skłodowska-Curie Actions (MSCA) Innovative Training Networks (ITN) H2020-MSCA-ITN-2016 GA 722068

Monday, September 10th

ATC1 Lab. Edificio Leonardo da Vinci

Campus de Rabanales

9:00h – 10:30h: Fundamentals of Heterogeneous High Performance

Computing/Multicore systems

10:30h – 11:00h: Coffe Break

11:00h – 13:00h: Lab 1. Fundamentals of Cuda programing

13:00h – 14:00h: Lunch

14:00h – 15:30h: Lab 2. Brightness adjustment

15:30h – 16:00h: Coffe Break

16:00h – 17:30h: Lab 3. Color space conversion

17:56h Train from Rabanales station to Córdoba station

Tuesday, September 11th

ATC1 Lab. Edificio Leonardo da Vinci

Campus de Rabanales

9:00h – 10:30h: Lab 4: Gaussian filter

10:30h – 11:00h: Coffe Break

11:00h – 13:00h: Lab 5: Sobel filter

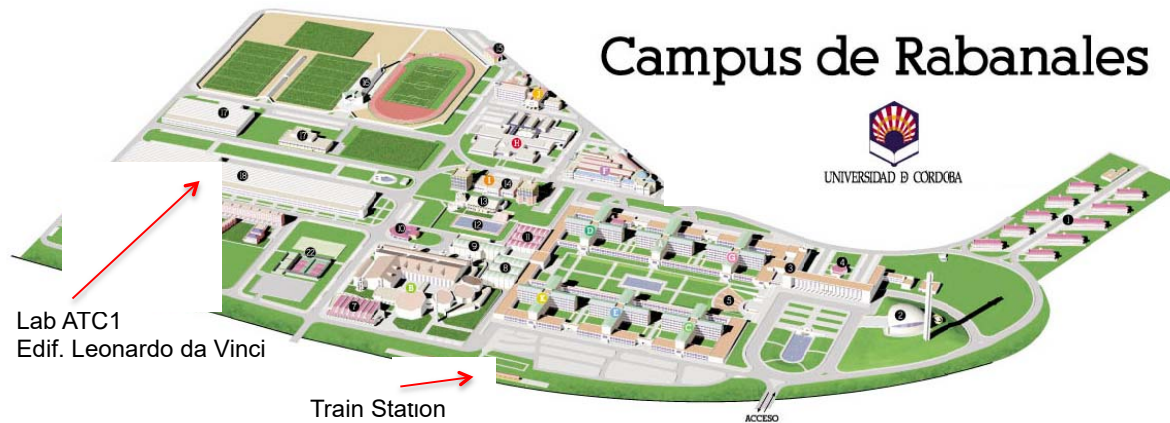
13:00h – 14:00h: Lunch

14:00h – 15:30h: Lab 6: Histogram calculation

15:30h – 16:00h: Coffe Break

16:00h – 17:30h: Lab 7: Asynchronous transfers

17:56h Train from Rabanales station to Córdoba station



Location:

<https://www.google.es/maps/search/leonardo+da+vinci+campus+de+rabanales/@37.9125999,-4.7124364,15.32z>

Train information:

<http://www.gedese.net/proyectos/mindtech/documentacion/horariosrenfe.pdf>

Posters: All ESR are invited to show a poster in Rectorado for all week.

Wednesday, September 12th

Salón Mudejar

Rectorado

9:00h – 10:30h: Welcome / ESRs # 1, 2, 3 Presentations

10:30h – 11:00h: Coffe Break

11:00h – 13:00h: Keynote Session 1 Adriano Galano – FUJITSU

“Towards Exascale Computing”

“Neuromorphic Computing & Quantum Computing”

13:00h – 14:00h: Lunch

14:00h – 15:30h: ESRs # 4, 5, 6 Presentations

15:30h – 16:00h: Coffe Break

16:00h – 17:30h: ESRs # 7, 8, 9 Presentations

Thursday, September 13th

Salón Mudejar

Rectorado



9:00h – 10:00h: Introduction lecture - Gunter Roth

10:00h – 10:30h: Coffe Break

10:30h – 12:30h: NVIDIA Workshop 1: OpenACC - 2X in 4 Steps in C/C++

12:30h – 13:30h: Lunch

13:30h – 15:30h: NVIDIA Workshop 2: Accelerating Applications with CUDA C/C++

15:30h – 16:00h: Coffe Break

16:00h – 17:30h: NVIDIA Workshop 3: Accelerating Applications with GPU-Accelerated Libraries in C/C++

Friday, September 14th

Salón Mudejar

Rectorado

9:00h – 10:30h: Keynote Session 2 Prof. Manuel Ujaldón – Universidad de Málaga
“GPUs for High Performance Computing, Deep Learning and beyond”

10:30h – 11:00h: Coffe Break

11:00h – 13:00h: ESRs # 10, 11, 12 Presentations

13:00h – 14:00h: Lunch

14:00h – 15:30h: ESRs # 13, 14, 15 Presentations

15:30h – 16:00h: Coffe Break

16:00h – 17:30h: Keynote Session 3 Dr. Antonio Peña – Barcelona Supercomputing Center

“Using heterogeneous memory systems”

20:00h Dinner – Caballo Rojo <https://goo.gl/maps/KxXaupGVb1P2>

23:00h Visit: Alcázar de los Reyes Cristianos

Saturday, September 15^h

Salón Mudejar / Sala de bogierno

Rectorado

9:00h – 10:30h: Keynote Session 4 Dr. Pablo Lamata – King's College London

“Succeeding in academia <-> having entrepreneurial skills”

10:30h – 11:00h: Coffe Break

11:00h – 13:00h: ESRs collaborative work /

Steering Committee (SC) / Survisory Board (SB) meeting

13:00h – 14:00h: Lunch

14:00h – 17:00h: ESRs collaborative work

Sunday, September 16^h

Free day

Enjoy

Monday, September 17th

Salón Mudejar / Sala de gobierno

Rectorado

9:00h – 10:30h: Keynote Session 5 Prof. Onur Mutlu –ETH Zurich

“Processing Data Where It Makes Sense in Modern Computing Systems: Enabling In-Memory Computation”

10:30h – 11:00h: Coffe Break

11:00h – 12:00h: ESRs collaborative work

12:00h – 13:00h: Lunch

13:00h – 17:30h: **“Mid-term review meeting” (all participating)**

13:00 – 13:30 Welcome and tour de table

13:30 – 13:50 Nina Poumpalova

13:50 – 14:40 HiPerNav coordinator’s report

14.40 - 15.00 Coffee break

15:00 – 16:00 ESR’s individual reports - 15 min each Fellow with questions - 5 fellows

16.00 – 10 min break

16.10 – 17.00 ESR's individual reports 4 fellows (slide presentations)

18:30h: Guided visit to Mezquita – Catedral.

20:30h: Dinner – Bodegas Campos

Tuesday, September 18th
Salón Mudejar / Sala de gobierno
Rectorado

9:00h – 13:00: **“Mid-term review meeting” (all participating)**

09:00 – 10:15 ESR’s individual reports - 15 min each Fellow - 6 fellows

10.15 – 11.30 Meeting between ESR’s and Nina Poumpalova

11:30 – 11:45 Coffee break

11:45 – 12:15 Feedback and open discussion

12:15 – 12:30 Closing remarks and end of meeting

12:30h – 14:00h: Lunch

Rectorado:

<https://www.google.es/maps/place/Nuevo+Rectorado,+14004+C%C3%B3rdoba/@37.8820061,-4.793018,14.77z/data=!4m5!3m4!1s0xd6cdf60f29ca8bb:0x8d2c243589a63641!8m2!3d37.8846168!4d-4.7885306>