

0. Workshop in Grenoble

<http://www.gipsa-lab.grenoble-inp.fr/~jean-marc.thiriet/asean/asean.html>



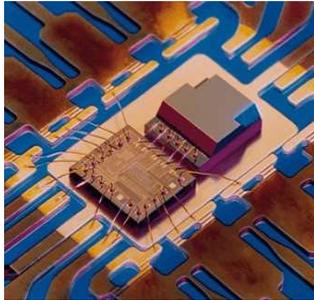
Asean-Factori 4.0 project

**Grenoble, 9th May,
20th May 2022**



Grenoble

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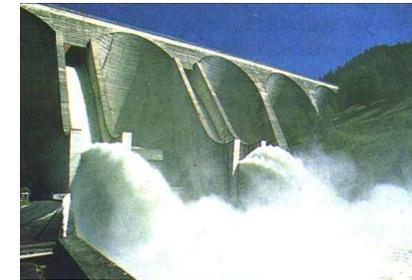
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Grenoble

Smart systems
Nano-techno
Energy
Water
Environment
Transportation



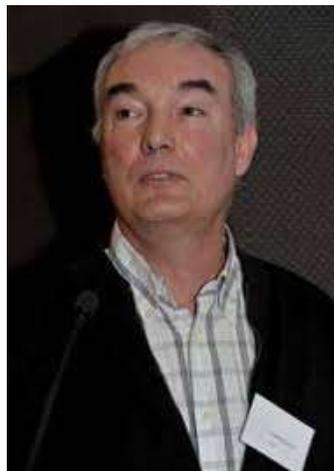
UGA facts and figures

- ▶ **60,000** students
- ▶ **3,400** PhD students
(45% international)
- ▶ **7,500** employees, of which
 - **5,500** academic
 - **2,000** staff
- ▶ **€ 512m** budget per year
 - ▶ **82** laboratories
 - ▶ **100+** research centers
 - ▶ **1** teaching hospital
 - ▶ **175** hectares of campus



Grenoble UGA, P3 Team

- MISTRE master student, UGA : Kevin Dauger
- LCIS, UGA/IUT Valence : Denis Genon-Catalot
- LIG, G-INP/ENSE3 : Stéphane Mocanu
- IMEP-LAHC, UGA/IUT1 : Emil Novakov
- Gipsa-lab, UGA/IUT1 Grenoble : Jean-Marc Thiriet (Manager for UGA)



1st Week

Monday-9x	Vientiane: 13.30-17.30 Grenoble: 8.30-12.30	Welcome, objective of the training: (1H, JMT) Course on Industry 4.0/Concepts of Industry 4.0, PLC (3H, JMT)
Tuesday-10x	Vientiane: 14-17 Grenoble: 9-12	Lab 1 (Kevin)
Tuesday-10x	Vientiane: 19-22 Grenoble: 14-17	Lab 2 (Kevin)
Wednesday-11x	Vientiane: 14-17 Grenoble: 9-12	Lab 3 (DGC & Kevin)
Wednesday-11x	Vientiane: 19-22 Grenoble: 14-17	Lab 4 (DGC & Kevin)
Thursday-12x	Vientiane: 14-17 Grenoble: 9-12	Course on Industry 4.0/Networks (DGC)
Thursday-12x	Vientiane: 19-22 Grenoble: 14-17	Lab 5 (DGC & Kevin)
Friday-13x	Vientiane: 14-17 Grenoble: 9-12	Balance first week: Presentation of curricula modifications and recognition strategy (DGC, Kevin, JMT, HY)

2nd Week

Monday-16	Vientiane: 14-17 Grenoble: 9-12	Course on Wireless/Celular (Emil) ¶ x
Monday-16	Vientiane: 19-22 Grenoble: 14-17	Lab-6 (Kevin) x
Tuesday-17	Vientiane: 14-17 Grenoble: 9-12	Course on Industry 4.0/Safety and cyber-security x
Tuesday-17	Vientiane: 19-22 Grenoble: 14-17	Lab-7 x
Wednesday-18	Vientiane: 14-17 Grenoble: 9-12	Lab-8 (Kevin) ¶ x

Wednesday-18	Vientiane: 19-22 Grenoble: 14-17	Emulation card ¶ S. Mocanu ¶ x
Thursday-19	Vientiane: 14-17 Grenoble: 9-12	Lab-9 x
Thursday-19	Vientiane: 19-22 Grenoble: 14-17	x
Friday-20	Vientiane: 14-17 Grenoble: 9-12	Concluding session-Final Lab. Plan for material/software implementation-issue in the CE and shipping timetable ¶ Labs by your own. You have to try to implement by yourself a programme using the I/O of the PLC ¶ Presentation of potential huge x

Local situation in Vientiane regarding implementation

To do in parallel

- ▶ **1st week: by Friday (with Hamed):** Presentation of curricula modifications and recognition strategy
- ▶ **2nd week: by Friday (with Hamed):**
 - ▶ Material/software implementation issue,
 - ▶ Labs by your own. You have to try to implement by yourself a programme using the I/O of the PLC
 - ▶ Presentation of potential huge dissemination & impact activities
- ▶ **Next steps:** Travel of the French team (DGC and JMT) to Vientiane

Point 1 : Seminar Phase 2 programme (to be done at the end of the first training week)

As the seminar Phase 2 will be done between march to July 2022, we need to have the plan of it from you (trainee staff) at the end of the first week training.

Reminder: seminar Phase 2 is the pilot project to test by Asian teachers the implementation of theoretical lecturing (PPT) inside the planned course to be updated for recognition issue within the real curricula and corresponding registered students of the running academic year. This seminar phase 2 has to be planned as it will be in permanent state after the project lifetime. It must concerns around 80 students. All proof of lecturing student attendance must be provided when it will be done (signed or zoom recording with name surname of students in the chat).

Template of the Seminar plan

Point 2 internship phase 1 programme (to be done at the end of the second training week)

It concerns the practical labs plan which will be implemented in the new accreditation.

This pilot project implementation has to be done either in period 1 (march to July 2022) or in period 2 (august 2022 to January 2023).

During the training in EU all labs done will be used to define your own plan for practical labs.

At the beginning of each half day of training lab, trainees and trainers have to fix the lab objectives of the day to be able to understand the corresponding content and to have a vision of the prerequisite needs to undertake the labs and which seminar phase 2 chapter is related to it. A document has to be designed for reporting this activity. At Each ending labs you are requested to discuss with you teacher team on the way you will re-use the labs and material to define practical labs that you will implement in your course in the internship.

At the end of the half day lab, the trainee team has to make a recording video of the labs by doing it again in one shot to be user later on as a tutorial.

Template for the practical labs programme

See annex 2

The set of practical labs will have to be describe with this template

Point 3: moodle Training EU Survey

A moodle-training survey is proposed to get feedback from both trainees and trainers that have participated in our project EU training program

-training survey is made of a set of daily surveys to fill and a final one at the end of the 2 weeks training.

<https://www.moodle.asean-factori-erasmus-project.com/>

Point 4: software implementation

As the trainees and trainers will be together during the training, a time to learn how to install the PLC software must be achieved with video recording. When the Trainee team will come back home, they have to install by them self the software using the video tutorial.

Point 5: training in EU video recording and lab half day objective summary

As said you must record your labs and prepare the explanation document of each half day lab. It will be used for you to secure that you will be able to make the lab by yourself again when you will come back home.

Point 6: moodle logisitic Training EU Survey

We have already designed a moodle survey to allow you to upload all scanned version of your travel document (boarding pass e-ticket, visa cost, Covid test cost doc,)

During the training week please upload all documents and when you come back home upload the reaming bus ticket and boarding pass.

Point 7: communication material and dissemination

All teams (trainee and Trainers) must to take photo for dissemination purpose both in front PLC benchmark/Computer and in meeting room and in social event too

When coming home you have to implement this event in your institution webpage dedicated to factori 4.0 project using text & photo.

Point 8 : discussion to fix the date for the second training in Asia

Objectives: effectiveness of the center of excellence, demo version available for showcase during VIP visit.

The date must respect the following pre task : request TVA exoneration, international delivery action by lyon1 or Ruse. Any travel trip must be covered by a Covid insurance

Point 9 : corrective action on midterm staff declaration

When a staff is declaring a staff cost we should have available is contract or official proof that he she is employee by your university in the corresponding period
proposed staff cost period declared must not be concerned by an official holidays period or hill period or mobility for conference period or during a full time lecturing period

Point 10 : preparative document for tax exemption : equipment sending

You are in charge to request to lyon1 all official document that you need to proceed your own VAT exemption procedure

Point 11 : official seminar2/internship programme publication in your university website

Point 12 : achievement proof: providing all attendance list (students, teachers, employee with name surname signature) when an official pilot project is done. If the commission request it we need to be able to show the student card of the student as a proof that th signature/name are coming from official registered student

Merci pour votre attention
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សូមអរគុណចំពោះការយកចិត្តទុកដាក់
របស់អ្នក។ (KH)

ຂອບໃຈຫຼາຍໆ ສຳ ລັບຄວາມສົນໃຈຂອງ
ທ່ານ (LAO)

ขอบคุณมากสำหรับความสนใจของคุณ
(TH)

**Merci pour votre
attention**

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attention**

