

GEO4D

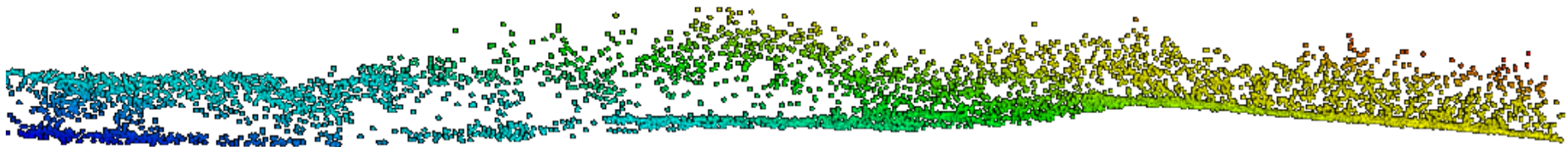
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Digital mapping using LiDAR data

Flor Álvarez Taboada
Eduardo González-Ferreiro
[University of León](#)

Geomatics Engineering Research Group (GEOINCA), Technical
School of Agricultural and Forestry Engineering, University of
León, Avenida de Astorga, sn, 24401, Ponferrada (León), Spain
flor.alvarez@unileon.es
egonf@unileon.es

10th- 21st September 2018
Ponferrada, León



T1. Fundamentals of LiDAR

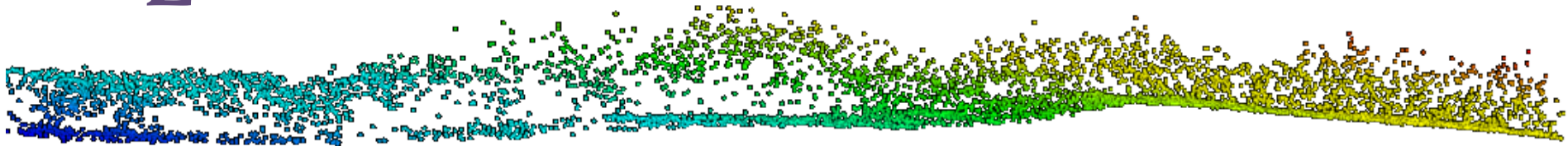
**P1. Introduction to LiDAR data processing with
FUSION**

P2. Outlier removal and LiDAR data filtering

P3. LiDAR data interpolation

P4. Model validation

W1. How do our students learn LiDAR?



GEO4D

DIGITAL MAPPING USING
LIDAR DATA

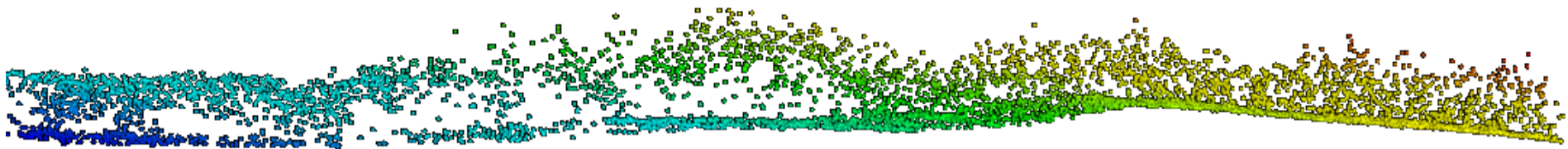
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SCHEDULE:

S1 - September 10th (Monday): 10:30 - 13:30

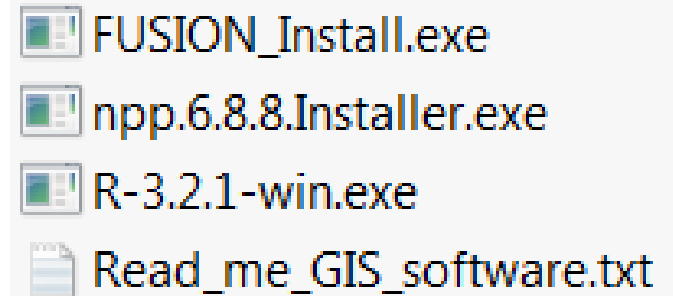
S2 - September 10th (Monday): 15:00 - 17:00

S3 - September 11th (Tuesday): 9:30 - 13:30



Computer configuration:

- 1. Decimals are separated by a point (.)**
(check the regional configuration)
- 2. Uncheck “Hide extensions for known file types”**
(Folder options)
- 3. FUSION, Notepad++, R 3.2.5, Rstudio**
- 4. Qgis 3.2.0 or ArcGIS**



Access to MOODLE (Ariadna):

<https://ariadna.unileon.es/course/view.php?id=634>

1. You need to create an user with your own e-mail address (user name/password)

(SEE NEXT SLIDES)

<https://ariadna.unileon.es/course/view.php?id=377>

Moodle externo Universidad de León

English (en) Log in

Moodle externo Universidad de León

(Cookies must be enabled in your browser) ?

ACCESO AL CAMPUS VIRTUAL


¿No tiene usuario de la Universidad de León?
Puede crear un nuevo usuario accediendo a la [aplicación de alta de usuarios](#)

Forgotten your username or password?
Como estudiante puedes generar una contraseña para tu usuario mediante el carné universitario en un kiosko o accediendo a la [aplicación de generación de contraseñas](#)

2

3

Gestión de Usuarios Externos de la ULe

Nombre	<input type="text" value="YOUR NAME"/>
Apellido1	<input type="text" value="SURNAME"/>
Apellido2	<input type="text"/>
Tipo de Documento	Otros ▼
Número de Documento	<input type="text" value="PASSPORT"/>
Cuenta de correo	<input type="text" value="your e-mail address"/>
Repita la cuenta de correo	<input type="text" value="your e-mail address"/>
	<input type="text"/> <input type="button" value="Nuevo Captcha"/>

4

You will receive an e-mail with a link to access ARIADNA.

5 Once you have the user and password in ARIADNA, the course “GEO4D” is in the section “OTROS”

6 The extra password to access the course is: GEO4D

The screenshot shows a web browser window with the URL <https://ariadna.unileon.es/course/view.php?id=634>. The page header features the Universidad de León logo and the course title "GEO4D. Remote Sensing training". The user profile "EDUARDO MANUEL" is visible in the top right. The main content area is divided into a left navigation menu and a right main content area. The navigation menu includes "Home", "Dashboard", "Site pages", "My courses", "AVIP_PONFERRADA", "GEO4D.RSt" (expanded to show "Participants", "Badges", "Competencies", "Grades", "General", "Unit 1. Digital mapping using active remote sensor...", "Unit 2. Advanced 3D remote sensing: point cloud ma...", and "Unit 3. Digital mapping..."). The main content area displays a list of activities: "Survey after the remote sensing training" (with a "Hidden from students" tag), "News", "Geo4D training (Remote sensing and Digital Mapping): everything you wish to know", and "GEO4D intensive training remote sensing Sept 2018". Below this is a section for "Unit 1. Digital mapping using active remote sensors (LiDAR)" (also with a "Hidden from students" tag), containing "Lidar course presentation: computer configuration" and "Survey previous to the LiDAR Unit". A "Your progress" section is visible on the right side of the main content area.