INSCRIPCIÓ DE TESI DE MÀSTER
MASTER'S THESIS REGISTRATION

MÀSTER: Artificial Intelligence

DADES ESTUDIANT
Student's Data

NOM I COGNOMS: Cole MacLean
Name and surname

Passaport/ NIE/ DNI: HD783127   Email: maclean.cole@gmail.com

DADES TESI DE MÀSTER
Master's Thesis Data

TÍTOL: Modeling of Complex Networks with Resouce Depletion
Title

DIRECTOR/A: Sergio Gomez
Supervisor

CODIRECTOR/A: Joan Matamalas
Co-supervisor

PONENT: Miquel Sanchez-Marre
Tutor

DEPARTAMENT: URV - Universitat Rovira i Virgili
Department

ESPECIALITZACIÓ: Advanced Computing
Specialization

MODALITAT:
Modality

☐ Empresa (nom): _____   País: _____
   Company (name)   Country

■ Universitat (nom): Universitat Rovira i Virgil   País: Spain
   University (name)   Country

Breu descripció (ompliu en majúscules)
Brief description (fill it in capital letters)

MANY REAL WORLD PROBLEMS DISPLAY A SPECIFIC COMPLEX NETWORK
STRUCTURE AND DYNAMICS WHERE THE NODES OF THE NETWORK
REPRESENT RESOURCE CENTERS AND THE EDGES OF THE NETWORK
REPRESENT CONNECTION PATHS THAT CAUSE RESOURCE DEPLETION AS AN
ENTITY TRAVERSES THE EDGE. THE GOAL OF THIS WORK IS TO INVESTIGATE
EXPOITABLE PATTERNS IN THE STRUCTURE OF THESE NETWORKS WITH
MULTIPLICATIVE GRAPH MODELS TO DEVELOP A METHODOLOGY OF
DETERMINING THE OPTIMAL GROWTH FOR THIS CLASS OF NETWORKS.

Barcelona, (date) January 15 _____, 20 17

Signatura Estudiant   Vist-i-plau Director/a o Ponent   Vist-i-plau Coordinador Màster
Student's signature   Supervisor's or Tutor's agreement   Master Coordinator's agreement