

NOUR CHAHROUR

CIVIL & HYDRAULIC ENGINEER

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📍 Grenoble, France

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EDUCATION

PhD in Automation - Productive

Univ. Grenoble Alpes

📅 Oct 2018 – present

📍 Grenoble, France

Master 2 in Hydraulics and Civil Engineering

Institut polytechnique de Grenoble INP – ENSE3

📅 Sep 2017 – July 2018

📍 Grenoble, France

Diploma in Civil Engineering

Lebanese University, Faculty of Engineering (Branch III)

📅 Sep 2013 – July 2018

📍 Beirut, Lebanon

EXPERIENCE

PhD Researcher

INRAE

📅 Oct 2018 - Present

📍 Grenoble, France

- Time-dependent deterioration modeling of torrent check dams subjected to natural hazards
- Maintenance decision-making using stochastic Petri net models

Master 2 Research Internship

TENEVIA

📅 Feb 2018 – July 2018

📍 Meylan, France

- Video surface velocities measurement for river discharge evaluation
- Information entropy used for vertical velocity profile fitting by combining aDcp and surface velocities data
- Sensitivity analysis of river discharge estimations considering all possible uncertainties

Civil Engineering Office Internship

Directorate of Engineering - Lebanese Army

📅 July 2017 – Aug 2017

📍 Beirut, Lebanon

- Structural design of a military building
- Model Analysis on ETABS

Civil Engineering Site Internship

Consolidated Engineering Company S.A.L - Khatib & Alami

📅 Aug 2016 – Sep 2016

📍 Beirut, Lebanon

- Site: M.E.A. Green Office Building
- Pile foundations implementation and wall anchoring

PUBLICATIONS

- Chahrour, N., Tacnet, J.M., Bérenguer C., Folleau, C., et Vinuesa, C. Aide à la Décision pour la Maintenance Préventive des Ouvrages de Protection Contre les Risques Naturels en Montagne. 22e Congrès de Maîtrise des Risques et Sécurité de Fonctionnement $\lambda\mu$ 22, 2020, Le Havre, France.
- Chahrour, N., Hariri, S., Tacnet, J.M., and Berenguer, C. A Modeling Framework for Efficacy Assessment and Preventive Maintenance of Torrential Protection Works. 29th European Safety and Reliability Conference, ESREL 2019, Hannover, Germany.
- Chahrour, N., Hariri, S., Tacnet, J.M., and Berenguer, C. Degradation analysis and preventive maintenance modelling and assessment for improved resilience of critical infrastructures – Application to torrent checkdams. 56th ESReDA Seminar On Critical Services continuity, Resilience and Security, 2019, Linz, Austria.

AWARDS

- 🏆 **PhD students day in EEATS doctoral school**
Best poster presentation award
- 🏆 **IDRiM 2019**
Best poster presentation award (9th place)

SKILLS

- R C QGIS LOGICAR
- HEC-RAS GRIF-Workshop (Petri nets)
- AutoCAD (2D 3D) ETABS
- Robot Structural Analysis Latex
- MS-Office

LANGUAGES

- Arabic (Native) English (Advanced)
- French (Intermediate)