POST-DOCTORAL RESEARCH FELLOWSHIP

Stochastic Modelling and Control for Cyber Risk Mitigation

Department of Mathematics – University of Padova, Italy

Supervisors: G. Callegaro, B. D'Auria, C. Fontana

Position Overview

The successful candidate will join a dynamic and highly collaborative research environment at the Department of Mathematics. The project aims to develop advanced continuous-time stochastic models, stochastic control methods, and computational techniques to formally quantify, manage, and mitigate cyber risk.

Key Position Information

- **Duration:** 12 months.
- **Salary:** 30,456 EUR (Gross Recipient).
- **Timeline:**
  - **Application Deadline:** Mid-September 2026 (TBD).
  - **Contract Start Date:** Before the end of 2026.

Requirements & Prerequisites

- **Administrative Constraint:** Candidates must hold a Ph.D. title at the time of application.
- **Mathematical Prerequisites:** Strong background in **stochastic calculus**. Knowledge of stochastic control techniques is considered a valuable plus.
- **Candidate profile:** We welcome applications from researchers with a strong research background or interest in Mathematical Finance and Actuarial Mathematics.
- **Teaching:** The postdoctoral researcher may also collaborate in teaching, teaching support, tutoring activities, and third mission activities consistent with the academic discipline of the position.

International Mobility Benefits

The Department of Mathematics at the University of Padova is an active member of the **Horizon 2020 European Union Funded Mobility Staff Exchange**. This prestigious network provides funded mobility opportunities to travel and collaborate with partner universities both across Europe and worldwide.

For more details regarding our network and associated international partners, please visit: https://site.unibo.it/libera/en/our-network/associated-partners