Sediola Ruko

Current position

nov.'21 –	**PhD Candidate**.
university	*University of Tuscia, Italy*
research area	*Computer Science*
expected graduation date	*November 2025*

Education

dec.'14 – jun.'16	**Master of Science in Operation Research**.
university	*University of Tirana, Albania*
extra	Honours program

oct.'11 – jul.'14	**Bachelor in Business Informatics**.
university	*University of Tirana, Albania*

Experience

Research Position

nov.'24–ongoing	**Researcher in Cybersecurity**, *Sapienza University of Rome, Italy*.

oct.'19–oct.'21	**Lecturer**, *Mediterranean University of Albania, Albania*.
Courses taught	Computer Networking
	Computer Architecture
	Management Information Systems
oct.'19–oct.'21	**Lecturer**, *University of Elbasan, Albania*.
Courses taught	Introduction to Computer Science
mar.'20–oct.'20	**Teaching Assistant**, *University of Tirana, Albania*.
Course	Introduction to Computer Science

IT positions

oct.'22 –jan.'24	**IT support**, Tuscia University of Viterbo, Italy.
oct.'20 –oct.'21	**Webmaster**, Academy of Sciences of Albania, Tirana, Albania.
may.'18–may.'19	**IT support**, Volunteering Matters, Norfolk, England.
oct.'17–mar.'18	**Information security officer**, Agricultural and Rural Development Agency, Tirana, Albania.
mar.'16–oct.'17	**IT specialist**, Agricultural and Rural Development Agency, Tirana, Albania.
sept.'12–mar.'14	**Data Analyst**, Statistic Directorate, Gjirokastër, Albania.

Internships

jul.'15 – sept.'15	**Intern**, *Regional Directorate of Forest Service*, Gjirokastër, Albania.
jul.'15 – sept.'15	**Intern**, *National Agency for Security Information*, Tirana, Albania.
jul.'15 – sept.'15	**Intern**, *Regional Directorate of Social Service*, Gjirokastër, Albania.
jul.'15 – sept.'15	**Intern**, *Tax Office in Municipality*, Gjirokastër, Albania.

Research Projects

Jan.'22 –	**Digital Mapping Application Researcher**.
university	*Tuscia University of Viterbo, Italy*
Project	***Map4Accessibility***, *European Union's Erasmus+ programme under grant agreement No. 2021-1-IT02-KA220-HED-0000303*

Grants and Scholarships

nov.'21 – oct.'24	**PhD Scholarship**.
funding	Tuscia University, Viterbo, Italy.
oct.'11 – jun.'16	**Student Scholarship**, *Bachelor in Business Informatics*.
funding	Municipality of Gjirokastër, Albania

Other Training and Activities

oct.'17	**Training. TAIEX Expert Mission on information security management. IPA funds**, Ministry of Finance and Economy, Albania.
aug.'17	**Youth Exchange. Beyond the Future**, European Commission, Belgium.
oct.'16	**Youth Exchange. Enhancing regional connectivity among Serbian And Albanian youth actors**, OSCE Mission to Serbia, Serbia.
sept.'16	**Youth Exchange. Enhancing regional connectivity among Serbian And Albanian youth actors**, OSCE Mission to Serbia, Albania.
sept.'15	**Training Seminar. LIDERA NATURALIS**, European Commission, Hungary.
jun.'14	**Debate Club. Award the second prize**, European University of Tirana, Albania.

jun.'13	**Participation in organizing group of Fourth International Conference "Information Systems and Technology Innovation: towards a digital Economy**, University of Tirana, Facultety of Economy, Albania.

Skills

Computer Skills

programming languages	Python, PHP, SQL
markup languages	HTML
style sheet languages	CSS
frameworks and libraries	PyTorch

Languages

native	Albanian
fluent	English
fluent	Italian

Publications

[1] Andrea Zingoni, Sediola Ruko, Jose M Alcalde-Llergo, and Enrique Yeguas. **Customized Tourist Navigation in Urban Contexts Following General Trends and Individual Preferences** under submission, 2025.

[2] Sediola Ruko, Jose M Alcalde-Llergo, Enrique Yeguas, and Andrea Zingoni. **Enhancing Tourist Experience via Automatic Personalized Route Suggestions** IEEE International Conference on Metrology for eXtended Reality, Artificial Intelligence and Neural Engineering, 2024.

[3] Dorjan Hitaj, Giulio Pagnotta, Fabio De Gaspari, Sediola Ruko, Briland Hitaj, Luigi V. Mancini, and Fernando Perez-Cruz. **Do You Trust Your Model? Emerging Malware Threats in the Deep Learning Ecosystem** IEEE Transactions on Dependable and Secure Computing, 2024.

[4] Sediola Ruko, Andrea Zingoni, Raffaele Pelorosso, and Giuseppe Calabro. **Digital Mapping for Accessibility: a Comprehensive Review** under submission, 2024.

[5] Sediola Ruko, Daniele Melloni, Andrea Zingoni, Raffaele Pelorosso, and Giuseppe Calabro. **Implementation of a Routing Application for People With Impairments,**

Improved and Evaluated Through Service Learning IEEE International Conference on Metrology for eXtended Reality, Artificial Intelligence and Neural Engineering, 2024.

[6] Raffaele Pelorosso, Andrea Zingoni, Sediola Ruko, and Giuseppe Calabro. **Map4Accessibility project, an inclusive and participated planning of accessible cities: overview and first results** Innovation in Urban and Regional Planning: Proceedings of INPUT 2023 – Volume 2, 2023.