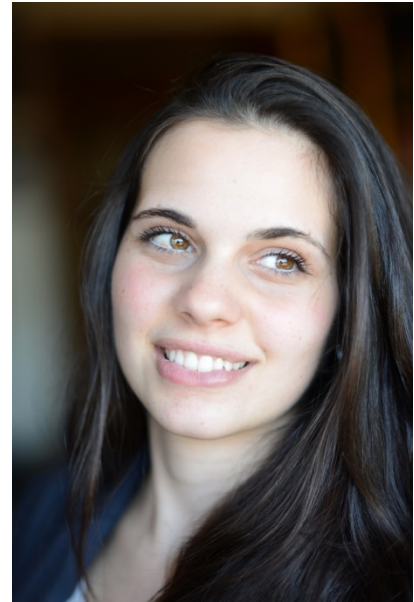


# Anna Di Natale



<b><u>Research Group:</u></b>	<b>Section for science of complex systems</b>
<b><u>Department:</u></b>	<b>CeMSIS</b>
<b><u>Current academic degree:</u></b>	Master's degree
<b><u>Previous University:</u></b>	Alma Mater Studiorum Universita' di Bologna
<b><u>PhD Thesis:</u></b>	Complex systems approach to language and mental health
<b><u>Project title:</u></b>	Emotional well-being in the digital society

## **Project description:**

Our emotional well-being is highly influenced by our environment, including our social interaction. Understanding human happiness requires a complex systems approach that can answer how we can strive towards a developed and sustainable society that maintains life satisfaction. We live in a Digital Society, in which we constantly produce data that can allow us to empirically support a complex systems approach to emotional well-being. Models of complex emotional behavior can be validated through applications of Big Data analytics and sentiment analysis to the online activity of millions of citizens. I propose an interdisciplinary project that combines Complexity Science with the Social and Computing Sciences to further our understanding of the fundamental dynamics of emotional well-being. Building on computational models of emotions, we can create the next generation of network spreading models that include cognitive constraints and emotional behavior, with the aim to understand how emotions lead to cascades and influence social resilience. The ultimate aim of the project is to reach a new level of understanding of human emotions and apply it to develop technologies that improve the emotional well-being of whole societies.