

HORIZON 2020

The EU Framework Programme for Research and Innovation



Reverse EngiNeering of sOcial Information pRocessing

MAIN PILLAR

Excellent Science

ABSTRACT

In today's world, access to information is a decisive factor advancing industry, society and even culture. It is therefore of great importance to understand why and how some information (e.g. some memes) spreads virally with great ease, while other is met with disinterest and omission. Uncovering the reasons may allow promoting important information, like warnings about cyber-attacks, while stifle harmful rumors, such as vaccines causing autism. The aim of the project is to treat the vast complexity of such information dynamics in social systems by involving researchers in social sciences, journalism, computing, data mining and complexity science.

TYPE OF ACTION

Marie Skłodowska- Curie Research and Innovation Staff Exchange

RENOIR CONSORTIUM

WUT, WARSAW UNIVERSITY OF TECHNOLOGY, **POLAND**

Project Coordinator Janusz Hołyst, *Physics of* Complex Systems (jholyst@if.pw.edu.pl)

JSI, JOZEF STEFAN INSTITUTE, SLOVENIA Marko Grobelnik, Computer Science

PWR, WROCŁAW UNIVERSITY OF SCIENCE AND **TECHNOLOGY, POLAND**

Przemysław Kazienko, Computer Science

STA, SLOVENSKA TISKOVNA AGENCIJA, SLOVENIA Aljoša Rehar, *Media Company*

STF, STANFORD UNIVERSITY, UNITED STATES Jure Leskovec, Computer Science

RPI, RENSSELAER POLYTECHNIC INSTITUTE, **UNITED STATES**

Boleslaw Szymanski, Computational Network Science

NTU, NANYANG TECHNOLOGICAL UNIVERSITY, **SINGAPORE**

Peter Sloot, *Physics of Complex Systems*

DURATION

1. Jan. 2016 - 31. Dec. 2019 Researcher Months 292 EC funding: 1.3 M€

CMU, CARNEGIE MELLON UNIVERSITY, UNITED **STATES**

Tom Mitchell, *Machine Learning Department*

NEU, NORTHEASTERN UNIVERSITY, UNITED **STATES**

Tina Eliassi-Rad, Computer Science

NDU, NOTRE DAME UNIVERSITY, UNITED STATES

Nitesh Chavla, Interdisciplinary Centre for Network Science and Applications

UC, UNIVERSITY OF CALIFORNIA, UNITED STATES SANTA CRUZ Lisa Getoor, *Computer Science* **DAVIS** Raissa D'Souza, Complexity Science

ITMO, ITMO UNIVERSITY, RUSSIA

Alexander Boukhanovsky, *High Performance* Computing

IBI, INTERNATIONAL BANKING INSTITUTE, RUSSIA

Maria Sigova, *Economics*

UTS, UNIVERSITY OF TECHNOLOGY SYDNEY,

AUSTRALIA Bogdan Gabrys, *Advanced Analytics*

www.renoirproject.eu

PROJECT MANAGER

Anna Grzywacz (agrzywacz@if.pw.edu.pl)

f RENOIRprojectEU

PROJECT OFFICER

Katerina Lazaridou (aikaterini.lazaridou@ec.europa.eu)



This project has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No 691152.



@RENOIRprojectEU