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Project no. 732027

VIRT-EU

Values and ethics in Innovation for Responsible Technology in EUrope

Horizon 2020

ICT-35-2016

Enabling responsible ICT-related research and innovation

Start date: 1 January 2017 – Duration: 36 months

D7.1 Dissemination Plan

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Lead beneficiary: POLITO

Project Consortium

Beneficiary no.	Beneficiary name	Short name
1 (Coordinator)	IT University of Copenhagen	ITU
2	London School of Economics	LSE
3	Uppsala Universitet	UU
4	Politecnico Di Torino	POLITO
5	Copenhagen Institute of Interaction Design	CIID
6	Open Rights Group	ORG

Dissemination Level

PU	Public	X
CO	Confidential, only for members of the consortium (including the Commission Services)	
EU-RES	Classified Information: RESTREINT UE (Commission Decision 2005/444/EC)	
EU-CON	Classified Information: CONFIDENTIEL UE (Commission Decision 2005/444/EC)	
EU-SEC	Classified Information: SECRET UE (Commission Decision 2005/444/EC)	

Dissemination Type

R	Document, report	X
DEM	Demonstrator, pilot, prototype	
DEC	Websites, patent filling, videos, etc.	
O	Other	
ETHICS	Ethics requirement	



DISSEMINATION PLAN¹

¹ This Dissemination Plan has been drafted by Politecnico di Torino (deliverable 7.1, WP7). Authors: Pasquale Pellegrino (Politecnico di Torino, Nexa Center for Internet and Society) and Francesco Ruggiero (Politecnico di Torino, Nexa Center for Internet and Society).

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1. Project overview

The ambition of Virt-EU is to set the groundwork for a more ethical European ICT innovation environment by employing state of the art multidisciplinary SSH-ICT empirical research in order to understand ethics as a process, legal scholarship to assess ethical outcomes, and design research to engage technology designers and the civil society. By studying how developers, small enterprises and individual designers in the Internet of Things (IoT) field develop and share knowledge using multiplex social network analysis (SNA) we aim to show how ideas and ethical values develop and travel. By combining the SNA insights into the social structure of developer communities with the thick data gained from on the ground qualitative research, we will investigate in detail the practices involved in negotiation of ethical practices within online communities of practice and in selected case studies. Our view is that the ethical considerations concerning technology must be grounded in virtue ethics, since “it is precisely the task of an empirically oriented philosophy of technology to understand the co-evolution of technology and society in modern culture, rather than to evaluate it on the basis of a priori criteria.”²

Policy efforts such as the General Data Protection Regulation (GDPR) aim to protect fundamental rights and freedoms of European citizens with respect to data processing, making explicit high-level European ethical considerations. Yet such efforts result in necessarily abstract frameworks that need appropriate implementations. Moreover, the regulatory approach of the GDPR maintains the traditional focus on individual and, due to its scope, only partially addresses the broader issues concerning the social and ethical implications of the use of data. Therefore, without interventions that are relevant and appropriate to the culture of technology developers – including impact assessments – such legal provisions cannot be adequately applied and evolve into a more comprehensive and effective framework. Thus the final portion of our research ambition lies in developing the novel Privacy, Ethical and Social Impact Assessment (PESIA) framework rooted in the knowledge of virtue ethics as well as the notion of collective data protection, and employing design methods and broad stakeholder engagement to identify how to connect such an impact assessment to everyday practices of developers and innovators.

PESIA thus encloses two important ambitions:

1. PESIA advances the state of the art of existing impact assessment frameworks by going beyond focused data protection risk assessment and explicitly including considerations of ethical and social impact.
2. The integration of empirical research on developer practices using virtue ethics as method ensures routes to successful PESIA implementation in developer communities.

European IoT innovation depends not only on protecting privacy and securing ethical values through legislation, but also on integrating conceptions of privacy as a relational process and as part of the design of new technologies. Only then can both designers and users of new technologies be able to rely on their devices knowing that they are not giving up their rights to privacy. Thus our work intervenes in the dialectic of privacy and data protection, on the one hand, and the social innovation possibilities of an increasingly vast data economy, on the other hand. PESIA allows developers and professional assessors to go beyond mere risk assessments and informational privacy concerns and to systematically consider potential for broader ethical and social impact. Our aims are thus ethical at the core, focused on improving the use of ethical impact assessments through theoretical and methodological development of virtue ethics perspectives. This is made possible through leveraging multiple research methods and successfully integrating SSH and ICT approaches to create measurable change in the process of technology development and in ensuring responsible innovation.

² Achterhuis, H. (2001). *American philosophy of technology: The empirical turn* (R. Crease, Trans.). Bloomington, IN: Indiana University Press.

2. Dissemination objectives

An effective dissemination plan for an ambitious project like Virt-EU must rely on facilitating the interaction of the subjects involved at the different stages of the process. The process that the Virt-EU consortium seeks to address has to do with design and development of IoT devices and services that align the values embedded in these technologies with those of their imagined users, supporting fairness and ethics in the future of sustainable techno-social innovation in Europe.

The Virt-EU consortium is fully aware that there is the need to deploy a detailed dissemination strategy, as detailed out by work package 7 (WP 7), to successfully communicate the ongoing proceedings, goals and scientific output. The results and research output — will be disseminated taking into account two main dimensions:

- i) **Internal:** It will be fundamental for each individual partner to keep all partners updated on work progress and to immediately share completed output with the rest of the consortium. Given the high level of interdependence of the envisioned work process partners will rely on frequent communication and the use of internal open source communication and dissemination tools as detailed in the Management and Quality Plan (D 1.1)
- ii) **External:** the issues at stake are deeply concerned with EU's vision on topics such as privacy, data protection and ethics. Virt-EU aims to intervene at the point of conceptualization and design in order to support the developer communities and digital entrepreneurs in their efforts to adopt specific values affirmed by in the current EU policy and legal context.

The Dissemination Plan will be systematically reviewed and updated and the strategy/activities will follow the principles envisioned by the Virt-EU consortium in order to achieve the following goals:

- Disseminating the progress and the results of the project to the developer communities, as well as to a diverse audience of interested stakeholders including civil society, policy makers, entrepreneurs, and scholars;
- Having a considerable impact on the European debate by disseminating key concepts, challenges, scenarios and tools through an innovative mix of channels and formats that the different stakeholders recognize and value;
- Bridging emerging policy, advocacy, scholarly, entrepreneurial and community innovation conversations around data use, collection, storage, and re-use in the developer and maker communities;
- Supporting responsible research and innovation across Europe through scholarly reports and broadly accessible social media discussions on distinctly European innovation cultures and opportunities in this emerging industry;
- Contribute to the exchange of knowledge and mutual learning between SSH and ICT communities.

In order to successfully accomplish these goals the dissemination plan will be implemented with a multi-faceted strategy through an “Who, How, What and When” scheme:

- By carrying out a macro distinction between those who will produce knowledge and those who will benefit from it, so as to tailor the dissemination products for their specific needs, we will accurately specify our target audiences (Who);
- To better reach out our multiple target audiences and moreover to expand these toward more general readership, we will rely on different tools and platforms for research and dissemination

activities. Furthermore, we will take advantage of the already considerable audiences reachable through the significant followings of the consortium member and advisory group member social media accounts (How);

- The contribution from Virt-EU partners will range from empirical data production, to theoretical contributions in peer-reviewed journals, to the design of prototypes available for dissemination to the developer communities, to involvement and advocacy with relevant stakeholders (What);
- The timing of the dissemination strategy will follow the ongoing tasks detailed in the work packages by means of deliverables and milestones (When).

3. Virt-Eu’s target audience and dissemination strategy

Given the diversity of actors involved with the Virt-EU project an effective dissemination strategy requires the capability of choosing the right tools or channel that fit for a specific purpose. Three main dissemination areas will be utilized: (1) Internet-based communication; (2) Publications; (3) Events and Networks.

The table below details the multiple targets that will be involved in the different stages of the project.

Table 1: Target groups and tools to reach them

Target	How to reach them
Academia: <ul style="list-style-type: none"> • Partners universities • Researcher communities • Advisory board 	Mailing list via a bi-annual newsletter Journal articles Blog posts on project website Reports Social media Open Access Repositories
Developers and Maker Communities	Github Social media Local blogs and discussion venues Forums and Workshops Tech websites (e.g. Wired, Techcrunch)
Policy makers	Blog posts on project website Workshops Conferences Traditional media channels Social media Mailing list
Civil Society Organization (CSO) & advocacy groups	Social media Mailing list Blog posts on project website Workshops
General Public	Social media Traditional media channels Civil society organizations (CSO)

3.1. Internet communication

3.1.1 Website

The Virt-EU project website will serve both as a gateway to facilitate the interaction among project's partners and as a showcase where those potentially interested in the issues addressed by the project will be able to keep track of the research results. The website structure will be adjusted throughout the life of the project to accommodate changing needs as the project matures.

The site structure includes dissemination and interactive components. The dissemination components currently include information about project partners and the advisory group, contact information for project coordinator and dissemination partner, announcements of events, publications and recent achievements and job position announcements. The interactive components include an active blog with posts from project staff and advisory board members about project research process, interim insights and challenges as well as an embedded twitter widget, which refers to the VIRT-EU Twitter account.

In order to visually show project progress, an interactive customizable time line, developed by the Northwestern University's Knight Lab³, will be embedded and updated in the results section of the website. It will work as a checking tool for the deliverables and the milestones contained in the WPs besides serving as a reminder for the public events and conferences both organized and attended (see the annex 2 for a list of majors conferences).

Another useful channel to share the contributions from the different partners of the project will be an official mailing list. It will be used to distribute on timely basis the ongoing outcomes. These announcements will also be posted on the website in the news section. Such periodic updates to parties interested in this project are crucial given the long-term nature of the project and the necessity to develop and grow a community of stakeholders for the PESIA tools to be successful.

Outcome measures: website hits, page views, deliverable/document downloads and requests for information received throughout the life of the project in order to document dissemination achievements.

3.1.2. Social media

Dissemination efforts will also rely on the use of a variety of social media platforms in order to be able to reach both professional audiences and the general public. The VIRT-EU project maintains active accounts on relevant social media platforms such as Twitter, Facebook, LinkedIn, Youtube and GitHub. These platforms will be utilized in ways that fit their purpose with Twitter more active during events for live-Tweeting and interfacing with developer communities as well as engaging the attention of journalists and traditional media outlets. Facebook will be used to disseminate event announcements, links to publications and relevant content as well as more in-depth reflections, cross-posted to the VIRT-EU blog. VIRT-EU will also produce multi-media content consisting of videos of targeted interviews with central figures in the IoT communities as well as educational content to be distributed via the VIRT-EU YouTube channel.

The hashtag feature on these social media sites will serve to channel and frame discussions around Virt-EU through the use of relevant keywords such as #IoT, #ethics, #privacy, etc. To further expand the reach of the VIRT-EU social media presence, when appropriate, the project will take advantage of the considerable social media followings of advisory group members and researchers as well as of the well-established social media channels of project partners. For example, the

³ <https://timeline.knightlab.com/>

London School of Economics Department of Media and Communication counts almost 10 thousand followers on Twitter, while the Open Rights Group counts nearly 33 thousand followers.

The involvement of the IoT developer communities is key to the project as is the commitment that any practical project outcomes will be released open source and available to the community for engagement and comment throughout development in the spirit of open software. GitHub is a natural venue where such dissemination and engagement can be achieved. VIRT-EU will release all project outcomes on our GitHub account at the same time as these are made available on the website.

Virt-EU's social media presence will be enhanced through deliverables such as video pieces, infographics, and other visualizations and will be disseminated online through the project website and the above-mentioned social media channels, including regular updates, circulating multi-media content, and posts on other scholarly and technology blogs such as the Social Media Collective.

Outcome measures: level of interactive social media engagement, reposting and feedback as well as the number of members/followers on our various social media accounts..

3.2. Publications and Open Access

VIRT-EU makes a significant commitment to open access (detailed in the Innovation and Open Access management plan (D1.5)) and will follow the Guidelines on Open Access to Scientific Publications and Research Data in Horizon 2020 for scientific publications (see *Annex 1* for a preliminary list of relevant publication venues) in two main ways⁴:

- 1) Self-archiving / 'green' open access – the author, or a representative, archives (deposits) the published article or the final peer-reviewed manuscript in an online repository as quickly as possible upon publication. As some publishers request that open access be granted only after an embargo period has elapsed, VIRT-EU will make an effort to balance publication needs for the advancement of junior researcher careers with open access goals.
- 2) Open access publishing / 'gold' open access - an article is immediately published in open access mode. In this model, the payment of publication costs is shifted away from subscribing readers. The most common business model is based on one-off payments by authors. These costs are often referred to as Article Processing Charges (APCs) and are usually borne by the researcher's university or research institute or the agency funding the research. Although the VIRT-EU budget does not include fees for gold open access, the project will follow this option should subsidies or other funding models become available.

Beginning in 2017, projects funded under Horizon 2020 framework will be subject to an “open by default” clause which aim at enhancing a FAIR policy for research data, an acronym that stands for: Findable, Accessible, Interoperable and Re-Usable. Virt-EU research and data collection activities will generate several types of data. Management of research data will be detailed in the Open Research Data Management Plan (D1.6) supporting the project partner commitment to making research data freely available whenever possible while respecting the principles of research ethics in the treatment of personal data collected for research purposes. For all research data made available for the broader research community the dissemination strategy will be to distribute not only on the VIRT-EU website but also through open public repositories such as for example:

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- SSNR

⁴ H2020 Programme Guidelines on Open Access to Scientific Publications and Research Data in Horizon 2020.

- Europe PubMed Central
- arXiv
- OAPEN library
- Zenodo

In order to respect the project commitment to the Horizon 2020 Pilot on Open Research Data Virt-EU's website will host the links to online public repositories in the publications section making accessible all publications and research data licensed under open access (with valid exceptions for those publications that will recur to the opt-out option as foreseen by the "Guidelines on the Implementation of Open Access to Scientific Publications and Research Data in Projects supported by the European Research Council under Horizon 2020".)

Along with academic publications Virt-EU's dissemination intends to enhance the range of the obtained results by means of fast-reporting: through in-progress, publicly visible publishing via white papers, reports, briefing papers, and shorter academic blogging.

Outcome measures: number of journal reports and scientific articles submitted and published, type of journal, journal impact factor and circulation, briefing and white papers, number of datasets made available via open research data repositories.

3.3. Events, Workshops and Networks

A major role in the dissemination strategy will be carried out through events, workshops and various types of public engagement through public talks and media interviews. Here we detail four main types of such dissemination activities:

- 1) Events and workshops organized directly by the VIRT-EU consortium;
The first event in this category was held on January 11th and 12th 2017 as project launch, which involved a gathering of consortium members for in-depth discussion of project direction, project plans and concrete routes to implementation. The event also included a major public presentation of the project held at the IT University of Copenhagen and attended by a diverse audience of IoT developers, academics, journalist and members of the public (over 100 people in attendance). The event was video recorded and also generated considerable attention in mainstream media in Denmark. We intend to hold two more such large-scale events throughout the project lifetime.
- 2) Workshops with developers and other stakeholders organized by VIRT-EU partners as part of data collection, co-design or dissemination activities, such as those detailed in WP3, WP5 and WP6;
Beginning in year 2 of the project, the co-design portion of the research effort will be conducted through a series of workshops with developers and other stakeholders which will serve to engage and discuss interim research insights and to co-develop PESIA tools with their eventual users. To compliment workshops with the developer community, towards the end of year 2 Open Rights Group will begin convening stakeholder workshops to discuss technical, policy and social implications relevant to the development and deployment of VIRT-EU tools. The audience in these workshops will be much more diverse, allowing us to ensure broad engagement with VIRT-EU research efforts.
- 3) Workshops, panels or talks organized by individual consortium members that are not directly related to VIRT-EU duties and tasks but are undertaken to address appropriate venues.
In order to more formally engage the broader academic and professional communities with

VIRT-EU efforts the project partners will organize relevant workshops, panels and talks both at academic conferences (such as the Computer Privacy and Data Protection Conference) and events oriented towards industry (such as the IoT Week). The relevant venues will be continually added to *Annex 2* with deadlines kept up to date.

- 4) Media appearances, interviews and invited public talks given by consortium members on topics relevant to VIRT-EU

Last but not least, it is the role played by the Open Rights Group, as a direct partners and as a member of the European Digital Rights (EDRI), as a powerful and multi-pronged networks able to spread out Virt-EU message for a responsible and ethic innovation environment in the field of IoT to a broader public.

Outcome measures: number of conference papers and presentations, number of conference workshops, type and size of conferences, conference attendance, media appearances, number of field and stakeholder workshops conducted.

ANNEX 1: List of Academic Peer Reviewed Journals

In the table below a list of peer-reviewed journals indexed by Thompson Reuters.

Note that not all journals where the partners intend to publish are listed below. This list of both journals and conferences represents the primary venues for academic dissemination of work for VIRT-EU partners but not a complete list.

Table 2: List of Peer-Reviewed Journals

Journal Title	ISSN	Impact actor	5 Years IF	Open Access
Data Mining and Knowledge Discovery	1384-5810	2.714	3.193	To be Assessed
International Journal of Human-Computer Studies	1071-5819	1.476	2.097	To be Assessed
International Journal of Human-Computer Interaction	1044-7318	1.260	1.459	To be Assessed
Knowledge-Based Systems	0950-7051	3.325	3.433	To be Assessed
Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery	1942-4787	1.759	2.185	To be Assessed
Ad Hoc Networks	1570-8705	1.660	2.151	To be Assessed
Computer Networks	1389-1286	1.446	1.903	To be Assessed
Information Processing & Management	0306-4573	1.397	1.468	To be Assessed
Internet Research	1066-2243	3.017	3.142	To be Assessed
IEEE Communications Surveys and Tutorials	1553-877X	9.220	9.414	To be Assessed
Journal Of Information Technology	0268-3962	4.475	6.189	To be Assessed
Human-Computer Interaction	0737-0024	3.700	4.032	To be Assessed
Social Networks	0378-8733	2.784	4.113	To be Assessed
Information Communication & Society	1369-118X	2.109	2.550	To be Assessed
Computer Communications	0140-3664	2.009	1.732	Hybrid
New Media & Society	1461-4448	3.110	3.957	

Table 2: List of Peer-Reviewed Journals

Ethics and Information Technology	1388-1957	0.729	1.146	Hybrid
Big Data	2167-6461	1.696		Gold-APC
Computer Law and Security review	0267-3649	0.373		Gold-APC
International data privacy law	2044-4001			Hybrid
IEEE IoT Journal	2327-4662			
International Journal of Law and Information Technology	1464-3693			
Network Science	2050-1250			Hybrid
Big Data and Society	2053-9517			Gold-APC
European Data Protection Law Review	2364-2831			
Journal of Big Data	2196-1115			Gold-APC
First Monday	1396-0466			Green
International Journal of Knowledge Content Development & Technology	2287-187X			Green
Surveillance and Society	1477-7487			Green
Transaction on Data Privacy	2013-1631			Green
Internet Policy Review	2197-6775			Green
Journal of Evolution & Technology	1541-0099			Green
Journal of Practical Ethics	2051-655X			

Data Mining and Knowledge Discovery

Published by Springer

Impact Factor: 2.714

Frequency: Bimonthly

The premier technical publication in the field, Data Mining and Knowledge Discovery is a resource collecting relevant common methods and techniques and a forum for unifying the diverse constituent research communities.

The journal publishes original technical papers in both the research and practice of data mining and knowledge discovery, surveys and tutorials of important areas and techniques, and detailed descriptions of significant applications.

International Journal of Human-Computer Studies

Published by Elsevier

Impact Factor: 1.476

Frequency: Monthly

The International Journal of Human-Computer Studies publishes original research over the whole spectrum of work relevant to the theory and practice of innovative interactive systems. The journal is inherently interdisciplinary, covering research in computing, artificial intelligence, psychology, linguistics, communication, design, engineering, and social organization, which is relevant to the design, analysis, evaluation and application of innovative interactive systems. Papers at the boundaries of these disciplines are especially welcome, as it is our view that interdisciplinary approaches are needed for producing theoretical insights in this complex area and for effective deployment of innovative technologies in concrete user communities.

International Journal of Human-Computer Interaction

Published by Taylor & Francis Inc

Impact Factor: 1.260

Frequency: Monthly

The International Journal of Human-Computer Interaction addresses the cognitive, creative, social, health, and ergonomic aspects of interactive computing.

It emphasizes the human element in relation to the systems and contexts in which humans perform, operate, network, and communicate, including mobile apps, social media, online communities, and digital accessibility. The journal publishes original articles including reviews and reappraisals of the literature, empirical studies, and quantitative and qualitative contributions to the theories and applications of HCI.

Knowledge-Based Systems

Published by Elsevier

Impact Factor: 3.325

Frequency: Bimonthly

Knowledge-Based Systems is an international, interdisciplinary and applications-oriented journal. This journal focuses on systems that use knowledge-based (KB) techniques to support human decision-making, learning and action; emphasizes the practical significance of such KB-systems; its computer development and usage; covers the implementation of such KB-systems: design process, models and methods, software tools, decision-support mechanisms, user interactions, organizational issues, knowledge acquisition and representation, and system architectures.

Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery

Published by Wiley Periodicals Inc.

Impact Factor: 1.759

Frequency: Bimonthly

The objectives of WIREs DMKD are to (a) present the current state of the art of data mining and knowledge discovery through an ongoing series of reviews written by leading researchers, (b) capture the crucial interdisciplinary flavor of the field by including articles that address the key topics from the differing perspectives of data mining and knowledge discovery, including a variety of application areas in technology, business, healthcare, education, government and society and culture, (c) capture the rapid development of data mining and knowledge discovery through a systematic program of content updates, and (d) encourage active participation in this field by presenting its achievements and challenges in an accessible way to a broad audience. The content of WIREs DMKD will be useful to upper-level undergraduate and postgraduate students, to teaching and research professors in academic programs, and to scientists and research managers in industry.

Ad Hoc Networks

Published by Elsevier

Impact Factor: 1.660

Frequency: Bimonthly

The Ad Hoc Networks is an international and archival journal providing a publication vehicle for complete coverage of all topics of interest to those involved in ad hoc and sensor networking areas. The Ad Hoc Networks considers original, high quality and unpublished contributions addressing all aspects of ad hoc and sensor networks.

Computer Networks

Published by Elsevier

Impact Factor: 1.446

Frequency: Semimonthly

Computer Networks is an international, archival journal providing a publication vehicle for complete coverage of all topics of interest to those involved in the computer communications networking area. The audience includes researchers, managers and operators of networks as well as designers and implementors.

Information Processing & Management

Published by Elsevier

Impact Factor: 1.397

Frequency: Bimonthly

Information Processing and Management is a leading international journal focusing on publishing peer-reviewed original research concerning theory, methods, or application in the field of information science, including:

1. Research in information science, information searching, or information retrieval and related areas that deals with the production, representation, organization, storage, retrieval, use, or evaluation of information, along with the tools and techniques associated with these processes
2. Research in human information behavior and related areas that deal with the nature, manifestations, behavior, and effects of information or knowledge, along with the communication and distribution of that information or knowledge
3. Research in domain specific areas involving information studies or design, including the areas of web searching, online advertising, public relations, communication, management information systems, computational economics, computational advertising, web analytics, online news, bibliometrics, scientometrics, health informatics, or similar areas

4. Research in system design dealing with experimental processes related to digital libraries, knowledge management systems, multimedia processing, human-computer interfaces, or system evaluation in the information systems field.

Internet Research

Published by Emerald Group Publishing Ltd

Impact Factor: 3.017

Frequency: Bimonthly

Internet Research is an international, refereed journal that aims to describe, assess and foster understanding of the role of wide-area, multi-purpose computer networks such as the Internet. The Internet continues to gather influence and momentum, and it becomes increasingly important to be aware of the potential applications of this powerful resource throughout professional, political, personal and academic life. We therefore strongly encourage research that develops theoretical insights and understanding on topics and issues addressing the potential social, ethical, economic and political implications which arise from mass public access to information resources.

IEEE Communications Surveys and Tutorials

Published by IEEE-Inst Electrical Electronics Engineers Inc

Impact Factor: 9.220

Frequency: Quarterly

IEEE Communications Surveys & Tutorials is an online journal published by the IEEE Communications Society for tutorials and surveys covering all aspects of the communications field. Telecommunications technology is progressing at a rapid pace, and the IEEE Communications Society is committed to providing researchers and other professionals the information and tools to stay abreast. IEEE Communications Surveys and Tutorials focuses on integrating and adding understanding to the existing literature on communications, putting results in context. Whether searching for in-depth information about a familiar area or an introduction into a new area, IEEE Communications Surveys & Tutorials aims to be the premier source of peer-reviewed, comprehensive tutorials and surveys, and pointers to further sources. IEEE Communications Surveys & Tutorials publishes only articles exclusively written for IEEE Communications Surveys & Tutorials and go through a rigorous review process before their publication in the quarterly issues.

Journal of Information Technology

Published by Palgrave-Macmillan

Impact Factor: 4.775

Frequency: Quarterly

The Journal of Information Technology (JIT) is a top-ranked journal in its field, focused on new research addressing technology and the management of IT - including strategy, change, infrastructure, human resources, sourcing, system development and implementation, communications, technology developments, technology futures, national policies and standards, as well as articles that advance understanding and application of research approaches and methods. The journal publishes work from all disciplinary, theoretical and methodological perspectives. It is designed to be read by researchers, scholars, teachers and advanced students in the fields of Information Systems and Information Science, as well as IT developers, consultants, software

vendors, and senior IT executives seeking an update on current experience and future prospects in relation to contemporary information and communications technology.

Human-Computer Interaction

Published by Taylor & Francis Inc

Impact Factor: 3.700

Frequency: Bimonthly

Human&Computer Interaction (HCI) is a multidisciplinary journal defining and reporting on fundamental research in human5computer interaction. The goal of HCI is to be a journal of the highest5quality that combines the best research and design work to extend our understanding of human5computer interaction. The target audience is the research community with an interest in both the scientific implications and practical relevance of how interactive computer systems should be designed and how they are actually used. HCI is concerned with the theoretical, empirical, and methodological issues of interaction science and system design as it affects the user.

Social Networks

Published by Elsevier

Impact Factor: 2.784

Frequency: Quarterly

Social Networks is an interdisciplinary and international quarterly. It provides a common forum for representatives of anthropology, sociology, history, social psychology, political science, human geography, biology, economics, communications science and other disciplines who share an interest in the study of the empirical structure of social relations and associations that may be expressed in network form. It publishes both theoretical and substantive papers. Critical reviews of major theoretical or methodological approaches using the notion of networks in the analysis of social behaviour are also included, as are reviews of recent books dealing with social networks and social structure.

Information Communication & Society

Published by Routledge Journals, Taylor & Francis Ltd

Impact Factor: 2.109

Frequency: 10 Issues/year

Drawing together the most current work upon the social, economic, and cultural impact of the emerging properties of the new information and communications technologies, this journal positions itself at the centre of contemporary debates about the information age.

Computer Communications

Published by Elsevier

Impact Factor: 2.099

Frequency: 14 issues/year

Computer and Communications networks are key infrastructures of the information society with high socio-economic value as they contribute to the correct operations of many critical services (from healthcare to finance and transportation). Internet is the core of today's computer-communication infrastructures. This has transformed the Internet, from a robust network for data

transfer between computers, to a global, content-rich, communication and information system where contents are increasingly generated by the users, and distributed according to human social relations. Next-generation network technologies, architectures and protocols are therefore required to overcome the limitations of the legacy Internet and add new capabilities and services. The future Internet should be ubiquitous, secure, resilient, and closer to human communication paradigms.

New Media & Society

Published by SAGE Publications Ltd

Impact Factor: 3.110

Frequency: 11 issues/year

New Media & Society publishes peer-reviewed content from both the social sciences and the humanities and includes contributions from communication, media and cultural studies, as well as sociology, geography, anthropology, economics and the political and information sciences. Topics to be covered include: digitalization and convergence; interactivity and virtuality; consumption and citizenship; innovation, regulation and control; the cultures of the Internet; patterns and inequalities of use; community and identity in electronic space; time and space in global culture and everyday life; the politics of cyberspace.

Ethics and Information Technology

Published by Springer

Impact Factor: 0.739

Frequency: Quarterly

Ethics and Information Technology is a peer-reviewed journal dedicated to advancing the dialogue between moral philosophy and the field of information and communication technology (ICT). The journal aims to foster and promote reflection and analysis which is intended to make a constructive contribution to answering the ethical, social and political questions associated with the adoption, use, and development of ICT.

Big Data

Published by Mary Ann Liebert, Inc

Impact Factor: 1.696

Frequency: Quarterly

Big Data, a highly innovative, peer-reviewed journal, provides a unique forum for world-class research exploring the challenges and opportunities in collecting, analyzing, and disseminating vast amounts of data, including data science, big data infrastructure and analytics, and pervasive computing.

The Journal addresses questions surrounding this powerful and growing field of data science and facilitates the efforts of researchers, business managers, analysts, developers, data scientists, physicists, statisticians, infrastructure developers, academics, and policymakers to improve operations, profitability, and communications within their businesses and institutions.

Spanning a broad array of disciplines focusing on novel big data technologies, policies, and innovations, the Journal brings together the community to address current challenges and enforce effective efforts to organize, store, disseminate, protect, manipulate, and, most importantly, find the most effective strategies to make this incredible amount of information work to benefit society, industry, academia, and government.

Computer Law and Security Review

Published by Elsevier

Impact Factor: 0.373

Frequency: Bimonthly

The Computer Law and Security Review (CLSR) is an international journal of technology law and practice providing a major platform for publication of high quality research, policy and legal analysis within the field of IT law and computer security. It has been published six times a year since 1985 under its founding Editor, Professor Steve Saxby. It is the leading journal of its kind in Europe and provides a robust peer reviewed medium and policy forum for dissemination of knowledge and discussion, supported by powerful Editorial and Professional Boards and an Editor of more than 30 years specialist experience in the field.

International data privacy law

Published by Oxford University Press

Frequency: Quarterly

International Data Privacy Law (IDPL) is a peer-reviewed journal that combines analytical excellence with a focus on issues of practical relevance. The journal is global in scope, and thus seeks to cover data protection and privacy law topics from around the world.

The IEEE IoT Journal

Published by IEEE-Inst electrical electronics engineers Inc

The IEEE IoT Journal (IoT-J), launched in 2014, publishes papers on the latest advances, as well as review articles, on the various aspects of IoT from open call and special issues. Topics include IoT system architecture, IoT enabling technologies, IoT communication and networking protocols, IoT services and applications, and the social implications of IoT. Examples are IoT demands, impacts, and implications on sensors technologies, big data management, and future internet design for various IoT use cases, such as smart cities, smart environments, smart homes, etc.

International Journal of Law and Information Technology

Published by Oxford University Press

Frequency: Quarterly

The International Journal of Law and Information Technology provides cutting-edge and comprehensive analysis of Information Technology, Communications and Cyberspace law as well as the issues arising from applying Information and Communications Technologies (ICT) to legal practice. International in scope, this journal has become essential for legal and computing professionals and legal scholars of the law related to IT.

Network Science

Published by Cambridge University Press

Frequency: Quarterly

Network Science is an important journal for an important discipline - one using the network paradigm, focusing on actors and relational linkages, to inform research, methodology, and

applications from many fields across the natural, social, engineering and informational sciences. Given growing understanding of the interconnectedness and globalization of the world, network methods are an increasingly recognized way to research aspects of modern society along with the individuals, organizations, and other actors within it.

Big Data and Society

Published by Sage Publishing

Big Data & Society (BD&S) is an open access, peer-reviewed scholarly journal that publishes interdisciplinary work principally in the social sciences, humanities and computing and their intersections with the arts and natural sciences about the implications of Big Data for societies.

The Journal's key purpose is to provide a space for connecting debates about the emerging field of Big Data practices and how they are reconfiguring academic, social, industry, business and government relations, expertise, methods, concepts and knowledge.

European Data Protection Law Review

Published by Lexxion

Frequency: Quarterly

The European Data Protection Law Review (EDPL) provides a practical and intellectual forum to discuss, comment, and review all issues raised by the development and implementation of data protection law and policy in the EU Member States. The journal reports on key legislative developments and addresses relevant legal, regulatory, and administrative progresses in EU Member States and institutions. Important judgments that shape the interpretation and application of the EU law in this field are identified and analysed, particularly judgments by the European Courts, international courts and tribunals such as the WTO's Dispute Settlement Body, and higher national courts.

Furthermore, contributors address relevant legal, regulatory and administrative developments in EU Member States that shape the practical implementation of European law in this field.

Journal of Big Data

Published by Springer

The *Journal of Big Data* publishes high-quality, scholarly research papers, methodologies and case studies covering a broad range of topics, from big data analytics to data-intensive computing and all applications of big data research. The journal examines the challenges facing big data today and going forward including, but not limited to: data capture and storage; search, sharing, and analytics; big data technologies; data visualization; architectures for massively parallel processing; data mining tools and techniques; machine learning algorithms for big data; cloud computing platforms; distributed file systems and databases; and scalable storage systems. Academic researchers and practitioners will find the *Journal of Big Data* to be a seminal source of innovative material.

First Monday

First Monday is one of the first openly accessible, peer-reviewed journals on the Internet, solely devoted to the Internet. Since its start in May 1996, First Monday has published 1,638 papers in 249

issues, written by 2,277 different authors. In addition, 21 special issues have appeared. The most recent special issue was entitled "Viewing patterns: Information and media infrastructures." First Monday is indexed in Communication Abstracts, Computer & Communications Security Abstracts, DoIS, eGranary Digital Library, INSPEC, Information Science & Technology Abstracts, LISA, MLA International Bibliography, PAIS, Scopus, and other services.

International Journal of Knowledge Content Development & Technology

The International Journal of Knowledge Content Development & Technology (IJKCDT) is an international, peer-reviewed, open access, online journal, publishing original research, reports, reviews and commentaries on all areas about content development and related technology. IJKCDT publishes original papers and review articles focusing on the result of research, reports of significant developments in working practice and discussion of concerns central to the information profession. By submission of a manuscript an author certifies that the work is original and is not being considered simultaneously by another publisher.

Surveillance and Society

Surveillance & Society exists to:

- publish innovative and transdisciplinary work on surveillance;
 - encourage understanding of approaches to surveillance in different academic disciplines;
 - promote understanding of surveillance in wider society;
 - encourage policy and political debate about surveillance.
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Transaction on Data Privacy

The aim of the Transactions on Data Privacy (TDP) is to provide an international forum for researchers on all topics related to data privacy technologies.

The journal will publish original and high quality papers. TDP welcomes archival research papers, comprehensive reviews, authoritative tutorials, short notes and comprehensive book reviews. All papers will be peer-reviewed.

Internet Policy Review

The Internet Policy Review tracks public regulatory changes as well as private policy developments which are expected to have long lasting impacts on European societies. The journal is a resource on internet policy for academics, civil society advocates, entrepreneurs, the media and policymakers alike. The Internet Policy Review contributes empirical research, analysis and current affairs coverage to contemporary debate about media, information technology, telecommunications and internet governance. The Internet Policy Review's expertise resides in its clear and independent analysis of inter-European and pan-European digital policy changes.

Journal of Evolution & Technology

JET's raison d'être is as a scholarly peer-reviewed journal, publishing academic-quality research, which welcomes submissions on subject matters that many mainstream journals shun as too

speculative, radical, or interdisciplinary, on all issues relating to the future prospects of the human species and its descendants. The founders felt that the time was ripe to begin to discuss such issues in a more systematic and rigorous way than is usually possible in journalistic or popular publications.

Journal of Practical Ethics

Our vision is to build an open access journal that will bring the best work in philosophy to bear on pressing issues of public, political or interdisciplinary interest. We believe that the ideas and arguments of many moral and political philosophers are of significant relevance to problems in contemporary life. Not only are these arguments of interest to a wide general public, but they are of relevance to many other academics, political and social leaders. However, there is less than optimal penetration of this philosophical work. It will aim to disseminate excellent research in practical and applied ethics to a broad, global audience comprised of both academic and non-academic readers, with high impact.

ANNEX 2: List of relevant scientific projects and conference events.

The list of the relevant conference events below will be continually updated.

British and Irish Law Education and Technology Association (BILETA)

20-21 April 2017, University of Minho, Braga, Portugal

Papers Submission: 30 January 2017

Bileta is the British and Irish Law, Education and Technology Association. It was formed in april 1986 to promote the use of technology in legal education throughout the UK and Ireland. The law school of the University of Minho will be hosting the BILETA annual conference, held from thursday 20th to friday 21st of april 2017.

The theme of the conference is: International perspectives on emerging challenges in Law, Technology and Education.

International Association for Computing and Philosophy (IACAP)

26-28 June 2017, Stanford University, USA

Papers Submission: 15 January 2017

Acceptance Notification: 25 February 2017

The International Association for Computing and Philosophy promotes philosophical dialogue and interdisciplinary research on all aspects of the computational and informational turn. Coming to these issues from a rich variety of disciplines, IACAP's members have a tradition of helping to shape philosophical and ethical debates about the nature, development, application, and limits of computation, information technologies, and artificial intelligence.

IACAP's 2017 meeting will gather philosophers, ethicists, logicians, roboticists, computer scientists, and cognitive scientists.

Computing Conference (Sponsored by IEEE)

18-20 July 2017 - London, United Kingdom

Paper Submission: 15 October 2016 (Extended)

Acceptance Notification : 15 Nov 2016 (Extended)

Computing Conference (formerly called Science and Information (SAI) Conference) is a research conference held in London, UK since 2013. The conference series has featured keynote talks, special sessions, poster presentation, tutorials, workshops, and contributed papers each year. Despite the short history of computer science as a formal academic discipline, it has made a number of fundamental contributions to science and society—in fact, along with electronics, it is a founding science of the current epoch of human history called the Information Age and a driver of the Information Revolution

The goal of the conference is to be a premier venue for researchers and industry practitioners to share new ideas, research results and development experiences in various fields. It is one of the best respected conferences in the area of computer science.

SIGCAS (Computer & Society)

SIGCAS is the ACM Special Interest Group that addresses the social and ethical consequences of widespread computer usage. SIGCAS' main goals are to raise awareness

about the impact that technology has on society, and to support and advance the efforts of those who are involved in this important work.

Our members are computer professionals from both industry and academia, as well as ethicists, psychologists, sociologists and others. We welcome students from a variety of disciplines. Our areas of involvement include computer ethics, universal access to computer technology, security, privacy, and reliability.

Conference on Wireless Network Security (WiSec)

As wireless networks become ubiquitous, their security gains in importance. The ACM Conference on Wireless Network Security (WiSec) aims at exploring attacks on wireless networks as well as techniques to thwart them. The considered networks encompass cellular, metropolitan, local area, vehicular, ad hoc, satellite, underwater, cognitive radio, and sensor networks, as well as RFID.

WiSec results from the merger of three workshops:

ESAS (European Workshop on the Security of Ad Hoc and Sensor Networks)

SASN (ACM Workshop on the Security of Ad Hoc and Sensor Networks)

WiSe (ACM Workshop on Wireless Security)

User Interface Software and Technology (UIST)

22-25 October 2017, Quebec City, Canada

Paper Submission: 4 April 2017

Acceptance Notification: 26 June 2017

The ACM Symposium on User Interface Software and Technology (UIST) is the premier forum for innovations in Human-Computer Interfaces. Sponsored by ACM Special Interest Groups on Computer-Human Interaction (SIGCHI) and Computer Graphics (SIGGRAPH), UIST brings together people from diverse areas including graphical & web user interfaces, tangible & ubiquitous computing, virtual & augmented reality, multimedia, new input & output devices, and CSCW. The intimate size and intensive program make UIST an ideal opportunity to exchange research results and ideas.

ACM Conference on Human Factors in Computing Systems (CHI)

6-11 May 2017 Colorado Convention Center, Denver, CO

Paper Submission: 14 September 2016

This year we offer several innovations. CHI Stories is a new venue where researchers will relate stories about unique experiences and ideas that have transformed and inspired them in their lives and careers. We have integrated more art and design activities into the conference such as interactive and performative installations to represent alternative HCI methodologies, to stimulate discussion, and for exploring new perspectives. We have also expanded our focus on inclusion, with some new activities aimed at raising awareness of the diverse needs of our community as well as the return of translation support for selected languages.

The International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp)

11 to 15 September 2017, Maui, Hawaii, USA

Starting with the 2017 edition, UbiComp no longer considers full paper or note submissions. Instead, it will invite for presentation papers published by the Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT). IMWUT has 1 volume per year with 4 issues per volume, published in March (Issue 1), June (Issue 2), September (Issue 3), and December 1 (Issue 4).

UbiComp is a premier interdisciplinary venue in which leading international researchers, designers, developers, and practitioners in the field present and discuss novel results in all aspects of ubiquitous and pervasive computing. This includes the design, development, and deployment of ubiquitous and pervasive computing technologies and the understanding of human experiences and social impacts that these technologies facilitate.

Symposium on Usable Privacy and Security (SOUPS)

12-14 July 2017, Santa Clara, CA, USA

Paper Submission: 7 March 2017

Acceptance Notification: 23 May 2017

This symposium will bring together an interdisciplinary group of researchers and practitioners in human computer interaction, security, and privacy. The program will feature technical papers, workshops and tutorials, a poster session, panels and invited talks, and lightning talks.

SOUPS 2017 will be co-located with the 2017 USENIX Annual Technical Conference.

The Computer Privacy and Data Protection conference (CPDP)

25-27 January, Brussels, Belgium

Paper Submission: 22 October 2016

Acceptance Notification: 2 Dec. 2016

CPDP is a non-profit platform originally founded in 2007 by research groups from the Vrije Universiteit Brussel, the Université de Namur and Tilburg University. The platform was joined in the following years by the Institut National de Recherche en Informatique et en Automatique and the Fraunhofer Institut für System und Innovationsforschung and has now grown into a platform carried by 20 academic centers of excellence from the EU, the US and beyond. As a world-leading multidisciplinary conference CPDP offers the cutting edge in legal, regulatory, academic and technological development in privacy and data protection. Within an atmosphere of independence and mutual respect, CPDP gathers academics, lawyers, practitioners, policy-makers, industry and civil society from all over the world in Brussels, offering them an arena to exchange ideas and discuss the latest emerging issues and trends. This unique multidisciplinary formula has served to make CPDP one of the leading data protection and privacy conferences in Europe and around the world.

Conference on Internet, Law & Politics (IDP)

29-30 June 2017, Barcelona, Spain

Paper Submission: 11 December 2016

Acceptance Notification: 27 April 2017

Managing Risk in the Digital Society will be the central theme of the 13th International Conference on Internet, Law & Politics (Barcelona, 29-30 June 2017). Since the 1990s, the concept of risk society has deeply penetrated many fields of the social sciences and humanities. From law and

political science, the Risk Society has been a concept that has channelled the analysis of risks inherent in contemporary society and how they are regulated. With the emergence of the new information and communication technologies there has been a profound change in this risk society. ICT are closely related to risk, as they are both generators of risks and a means of avoiding them. Thus, the challenge facing us is to manage the risks inherent in the digital era.

Sunbelt Conference on Social Network Analysis (INSNA)

30 May-4 June, Beijing, China

Paper Submission: 10 January 2017

Acceptance Notification: 1 February 2016

The International Sunbelt Social Network Conference is the official annual conference of the International Network for Social Network Analysis (INSNA). INSNA currently has over 1,000 members and more people than ever are interested in attending and presenting their work at Sunbelt conferences.

The Sunbelt conference provides an interdisciplinary venue for social scientists, mathematicians, computer scientists, ethnologists, epidemiologists, organizational theorists, public health experts, and others to present current work in the area of social networks.

International World Wide Web Conference (WWW)

3-7 April, 2017, Perth, Australia

Paper Submission: 19 October 2016

Acceptance Notification: 21 December 2016

The conference will feature four streams around the evolution of the web, technical standards, the impact of the web on society, and its future. Connecting all four streams will be themes of eLearning, remote services, security and privacy.

A W3C technical stream will review and consider web standards and the impact and needs of a rapidly-expanding web universe.

AAAI International Conference on Weblogs and Social Media (ICWSM)

15-18 May, Montreal, Canada

Paper Submission: 6 January 2017

Acceptance Notification: 28 February 2017

The International AAAI Conference on Web and Social Media (ICWSM) is a forum for researchers from multiple disciplines to come together to share knowledge, discuss ideas, exchange information, and learn about cutting-edge research in diverse fields with the common theme of online social media. This overall theme includes research in new perspectives in social theories, as well as computational algorithms for analyzing social media. ICWSM is a singularly fitting venue for research that blends social science and computational approaches to answer important and challenging questions about human social behavior through social media while advancing computational tools for vast and unstructured data.