cybersecurity--privacy: are we all living in glass houses? can i get some privacy, please?

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Cybersecurity--privacy, privacy, and government/personal data breaches... we keep hearing these with increasing frequency repeatedly. this creates a cyber anxiety everywhere. on top of that we, as ordinary people started to learn that corporations and governments all around the world keep track of our personal data. for example, mobile phones constantly provide information about our location to service providers. google knows what we are thinking about from our online searches. facebook can tell us about our friends, and news articles we read online. facebook can also know the type of news we are interested in. our online shopping patterns are recorded. governments are also launching surveillance programs to collect our personal data on the cyber space. all the list goes on... it is as if we are all living in glass houses in which we do not have any privacy or cannot keep any secrets anymore whatsoever. this type of data affects everyone. most of all they affect us individuals. that is why ignorance is not bliss in cyber security. every day we face new questions, new challenges from our rights and responsibilities as citizens of the cyber world how to protect ourselves, if we can, from new types of security threats. in this talk, i will try to explain vulnerabilities and security issues in the cyber space along with what we can and cannot do to protect ourselves.

SINGING AND SONGWRITING IN THE ART OF ALGORITHMIC COMPOSITION

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The increasing cost of chronic disease management demands novel technological solutions that shift healthcare services from clinical and hospital settings to a remote and homebound scenario. Alternative and innovative technologies such as Remote Health Monitoring Systems, Big Data Analytics, and Wireless Health Technologies allow for collecting physiological and contextual data from patients, and providing unique opportunities for real-time data analytics to predict health conditions and prevent medically adverse events. The development of effective data-driven models and big data analytics systems, however, requires the development of robust and scalable, low cost, and real-time processing of big heterogeneous data. These challenges necessitate the design and development of robust and scalable data processing techniques based on advanced machine learning algorithms which can efficiently extract the information from physiological and contextual data and aid for knowledge discovery and analysis. This talk presents a research methodology for data analytics in next-generation remote health management platforms.