
28th September:

7.30-8.30 pm **Security In the 21st Century**
Dinner talk

Speakers: **Michael Chertoff, Vikram Sood**

29th September

11.00 – 11.30 pm **Inaugural Function – Opening of the Conference**

11.30-12.00pm **Keynote address on Cyber Diplomacy by Dr. Arvind Gupta, IFS, Deputy NSA**

12.00-1.00 pm **The New World Order**

The world order changed after 9/11 and the new normal is a multi-polar mix of nation-states, regions, cultures and shadowy non-state players. This new order faces a paradox: its success depends on globalization, but the process produces a political reaction that often counters its aspirations. The absence of an effective mechanism for countries to consult and possibly cooperate on the most consequential issues is another problem.

Speakers: **Joseph S Nye, Carl Bildt, Shivshankar Menon**

1.00-2.00 pm **Networking Lunch**

2.00-3.00 pm **Cyber 9/11**

As cyberspace evolves to bring in smarter concepts, cyber-threats and attacks also make striking progress, making it difficult to stay ahead of the game. The Internet provides an easy, low-cost and low-risk means for non-state actors or terrorist groups to amplify the impact of any attack. The discussion will provide a deeper understanding into the pressing problems facing cyberspace today and in the future.

Speakers: **Patrick Cronin, Shivshankar Menon, Praveen Swami**

3.15-4.00 pm **Cybersecurity - A 360° perspective**

Contrary to the general perception, cyber-threats are asymmetric. A holistic and 360° approach to cybersecurity encompasses external & internal intelligence, web intelligence (WEBINT), human intelligence (HUMINT), open source intelligence (OSINT), signal intelligence (SIGINT), Satellite communications, supply chain security and social media. The discussion will provide a deeper understanding of cybersecurity and strategies to achieve resilience against modern cyber-threats.

Speakers: **Dr. VK Saraswat, Hon'ble Secretary Michael Chertoff, Raghu Raman**

4.00-4.45 pm **Resetting Intelligence – A new approach**

Terrorism has taken newer intensified approaches and its reach is constantly expanding. In this world of evolving technologies, are there new tactics, methodologies and tools that can be adopted by the intelligence community to counter the growing threat?

Speakers: **Melissa Hathaway, David Omand, Prabha Rao**



4.45-5.30 pm

Cybersecurity – The Board Dilemma

The massive data breach at Target ended the thirty five year career of Chief Executive Officer Gregg Steinhafel. His resignation is a stark reminder of the predicament faced by CEOs caught in cybersecurity crisis. How can a company's top-level management team including the CEO contribute to the strategic narrative and stay ahead of the adversary?

Speakers:

Ravi Venkatesan, Bruce McConnell, Avinash Vashistha, Ajay Nanavati, Ajit Menon

5.30-6.15 pm

Counter-terrorism and Countering Violent Extremism:

The threat posed by violent extremism is neither constrained by international borders nor limited to any single ideology. Groups and individuals inspired by a range of personal, religious, political, or other ideological beliefs promote and use violence. Increasingly sophisticated use of the Internet, social media, and information technology by violent extremists adds an additional layer of complexity. The discussion will look into various methods to counter this growing menace while accruing the benefits of cyberspace.

Speakers:

Hormis Tharakan, Sultan Alqassemi, MN Reddi

Dinner

Speakers:

Praveen Swami

30th September

8.00-8.30 am

Registration

8:30-9.15 am

Re-Imagining Media in the age of Cyber

Increasing number of people today are turning to the Internet as a primary source of news: reading blogs, visiting aggregators and online news sites, watching video clips and listening to podcasts. This growing audience are also shaping the news agenda for themselves, selecting, combining, and commenting on stories as well as creating their own. The discussion will explore the new opportunities that have risen and evaluate the problems and limitations associated with these changes.

Speakers:

Kiran Karnik, Uday Singh, Neena Gopal , Biren Ghose

9:15-10:00 am

Building cyber capacity: Role of Industries

Cyber capacity building will be highly effective in reducing other global threats. Industries can assist in this, by increasing the scale and impact of capacity building with infrastructure and expertise -thereby enhancing resilience globally. The discussion will look into the role that industries can play to build cyber capacity through private-private and public-private collaboration.

Speakers:

Rajendra Pawar, James Crabtree, Kinshuk De

10:00- 10:30 am

Keynote address by GK Pillai



10.30-11.30 am Digital Security

India is the fastest growing internet country. Growth in the Internet economy will create nearly 15-20 lakh job opportunities by 2018 compared to 4-5 lakh employed by it at present. The impact of internet has led to better decision making, inclusion and improved livelihood. The success of Prime Minister's Digital India project and the "Make in India" initiative depends on maximum connectivity with minimum cyber security risks. How can India strengthen its capabilities in-order to have far-reaching impact?

Speakers: *Paul Twomey, Raghavendra Vaidya, Nandkumar Saravade, Kamlesh Bajaj*

11.30-12.15 pm Threats to Critical Infrastructure

Critical Infrastructure forms the backbone of a nation's economy, security and health. For the efficient functioning of the nation, it is imperative that critical infrastructure like power grid, communication, defense and transport are secure. A persistent cyberattack on the power supply line, for instance, can wreak havoc in the city. The potential of cyber-attack impacting ICS and the ways to mitigate this risk will be subject of this discussion.

Speakers: *Melissa Hathaway, Dr. Gulshan Rai, Sachin Burman, Fen Osler Hampson, Latha Reddy*

1.30-2.15 pm Smart Cities – how secure?

"Smart city" is the key to tackle increasing demand for efficiency and resources. Safeguarding smart cities from cyber threats is essential for them to be beneficial. With Internet of Things (IoT) transforming sectors such as transportation, entertainment, medicine, communications and industrial automation, it is crucial to ensure the security of a "Smart City" while expediting its benefits.

Speakers: *Gopal Rathnam, TT Thomas, Rajeev Chandrashekar*

2.15-3.00 pm Dark web and Crypto Currency

The deep web and dark net are home to marketplaces that are misused by criminals, for selling illegal merchandise such as leaked credit cards, patents, blueprints, trade secrets, personal data, cyber-attack tools, guns and drugs. It is used by hackers to infiltrate and siphon off valuable information from bigger and heavily protected companies; more profitable among them being those in the financial sector. This discussion will cover the potentials for misuse that exist in the deep web and how to counter the growing number of malicious services and activities associated with it.

Speakers: *Interpol (Dr. MM Oberoi), Synergia Foundation, Pindar Wong, Prabha Rao*

3.00-3.45 pm A word from the Intelligence Community

Members of the Intelligence Agencies will provide their perspectives on the security threats facing the nation.

Speakers: *David Omand*

4.00 – 4.45 pm Hybrid Warfare:

Hybrid warfare is a concept that prior to 2014 was only for military experts and strategists. Today, it has changed the "rules of war" by using non-military means to achieve political and strategic goals. This new warfare employs a broad range of tools that includes regular military forces, economic warfare, information warfare, spread of propaganda and cyber-attacks. The discussion will shed light on this new concept while attempting to provide a model for hybrid defense.

Speakers: *Lt General Davinder Kumar, Lt General Prakash Katoch, Col. KPM Das*



4.45 – 5.30 pm Cyber & Space

The vulnerability of satellites and other space assets to cyber-attack is often overlooked in discussions on cyber threats to critical national infrastructure. Analysing the intersection between cyber and space security is essential to understanding this evolving security threat. What are the technical challenges and possible policy approaches to prevent or mitigate against cyber-attacks on satellites?

Speakers: *Dr. Arvind Gupta, Media, Dr. Patricia Lewis*

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