



**IEEE 3<sup>rd</sup> Conference on  
Norbert Wiener in the 21<sup>st</sup> Century  
Being Human In a Global Village**

📍 CEG Campus, Anna University, Chennai, INDIA.



<http://21stcenturywiener.org/>

IEEE Conference Number 48944

Thursday, 22 July 2021:

**Virtual Conference Inauguration**

**19.00 PM – 21.00 PM**

**Dr. (Ms) L Suganthi**, Dean, CEG Campus, Anna University, Chennai.

**Prof. Greg Adamson**, Program Chair.

IEEE SSIT Norbert Wiener Award

**Prof. T V Gopal**, Conference Chair.

**Prof. T Srinivas**, Planning Chair.



**Opening Address**

**Mr. Narayana Murthy**

Indian IT industrialist and the Co-  
Founder of Infosys

**“What can young Indians learn  
from Norbert Wiener?”**



**Opening Keynote Speaker**

**Prof. K S Narendra**

Harold W. Cheel Research Professor  
Emeritus of Electrical Engineering  
and  
Director, Center for Systems Science  
Yale university, USA.

**Brains or Machines: Who Will Be In  
Control?  
A Look Into The Crystal Ball**

Friday, 23 July 2021					
9.30 AM - 10.15 AM	11.30 AM - 13.00 PM		15.00 PM - 16.30 PM	16.30 PM - 18.00 PM	18.00 PM - 18.45 PM
<p><u><a href="#">Some steps for India to move towards 100% Renewable Energy</a></u>  <b>Prof Ashok Jhunjunwala</b>            Department of Electrical Engineering, IIT Madras.</p>	(1-5) papers		<p><u><a href="#">Special Session 1: Norbert Wiener in India</a></u>   <b>Dr. Raghu Krishnapuram</b>            ARTPARK, [AI &amp; Robotics Technology Park]   <b>Prof. Dipshikha Chakravorty</b>            Department of Microbiology and Cell Biology, Indian Institute of Science Bangalore.</p>	(7-12) papers	<p><u><a href="#">Design, Interpretability, and Explainability of Models in the Environment of Granular Computing and Federated Learning</a></u>  <b>Dr. Witold Pedrycz</b>            Canada Research Chair, IEEE Fellow University of Alberta, Canada.</p>
<p>10.15 AM – 11.00AM</p> <p><u><a href="#">Data-driven decision making via the scenario approach</a></u>  <b>Dr. Simone Garatti</b>            Associate Professor, Politecnico di Milano, Italy.</p>			<p><b>Dr. Swagatam.Das</b>            Associate Professor, ECE, Indian Statistical Institute, Kolkata</p> <p><b>M G P L Narayana</b>            Formerly Vice President &amp; Chief Scientist, Tata Consultancy Services [TCS].</p>		<p>18.45 PM – 19.30 PM</p> <p><u><a href="#">The Brain-Machine Interface: Nanotechnology and Cybernetics 60 Years After Norbert Wiener</a></u>  <b>Dr Russell Andrews</b>            Nanotechnology &amp; Smart Systems NASA Ames Research Center, Moffett Field, CA, USA.</p>
Saturday, 24 July 2021					
9.30 AM - 10.00 AM	11.30 AM - 13.00 PM		15.00 PM - 16.30 PM	16.30 PM - 17.00 PM	18.00 PM - 19.30 PM
<p><u><a href="#">Cybercrime in Asia</a></u>  <b>Dr. Laurie Lau</b>            Chairman, APATAS, Hong Kong.</p>	(13-18) papers		<p><u><a href="#">"Healthcare 2030" - Panel Discussion</a></u>  <b>Chair:</b>  <b>Dr. K Ganapathy</b>            Formerly Adjunct Professor at IITM and Anna University, Chennai, India. Tamilnadu Dr MGR Medical University in Feb 2021 conferred the "Distinguished Professorship for Life" award.</p>	<p><b>Dr. H K Anasuya Devi</b>            Member, IEEE SSIT Board of Governors</p>	<p><u><a href="#">Special Session 2: Cybernetics and Visual Arts</a></u>   <b>Rafael Lozano-Hemmer</b>            Professional Media Artist, Montréal, Canada</p> <p><b>Evelin Stermitz</b>            Professional Media Artist &amp; Foundress of ArtFem.TV, Vienna, Austria</p>

10.00 AM – 10.30 AM			<b>Arjun Rajagopalan</b> Trustee and Advisor (Formerly Medical Director & Head, Department of Surgery: 1994 – 2016) Sundaram Medical Foundation, Chennai, India		<b>Dr. Madhan Karky</b> Lyricist, Screenwriter, Researcher, Chennai, India
<u>Relevance of Community Networks for meaningful sustainable connectivity in the last mile</u> <b>Dr. Sarbani Banerjee Belur</b> Senior Project Research Scientist, Department of Electrical Engineering, IIT Bombay.			<b>Luis Kun</b> Distinguished Professor Emeritus of National Security Affairs William Perry – Center for Hemispheric Defense Studies-National Defense University, USA	17.00 PM – 17.30 PM	<b>Zach Pearl</b> MFA, Media Arts Curator & PhD Candidate, University of Waterloo, Toronto, Canada
10.30 AM - 11.00 AM			<b>Russell Andrews</b> Medical Advisor, Nanotechnology and Smart Systems, National Aeronautics and Space Administration (NASA) Ames Research Center.	17.30 PM -18.00 PM	
<u>Cybernetics of cities and towns: Digital twins and research infrastructures in Australia</u> <b>Dr Michael Rigby</b> Faculty of Architecture, Building and Planning, Acting Deputy Director at the Australian Urban Research Infrastructure Network (AURIN), University of Melbourne, Australia.				<u>Norbert Wiener's India Connections: A Tour through the Archive</u> <b>Dr. Heather Love</b> Assistant Professor, University of Waterloo, Canada.	
				<u>Prolegomena to a Critique of Cybernetic Reason</u> <b>Dr Luis Homem</b> Center for Philosophy of Sciences of the University of Lisbon (CFCUL), Portugal.	

**Sunday, 25 July 2021**

9.30 AM - 10.30 AM	11.30 AM - 13.00 PM		15.00 PM - 16.30 PM	16.30 PM - 17.00 PM	18.00 PM – 18.45 PM
(19-22) papers	<b>Special Session 3:</b> Information Theory and Cybernetics		<b>Special Session 4:</b> <u>Geopolitics &amp; Internet Governance</u> <b>Mr. Samiran Gupta</b> Head of India for The Internet Corporation for Assigned Names and Numbers (ICANN).	<u>The research method of Norbert Wiener</u> <b>Prof. Greg Adamson</b> Associate Professor and Enterprise, School of	<b>Dr. Katina Michael</b> Director, Centre for Engineering, Policy and Society, Arizona State University, USA & Senior Editor - IEEE Consumer Electronic Magazine.

	<p><b>Dr. Om Parkash</b> Professor, Guru Nanak Dev University, Amritsar.</p>		<p><b>Computing and Information Systems,</b> University of Melbourne, Parkville, VIC, Australia.</p>	<p><b>18.45 PM – 19.30 PM</b></p>
<p><b>10.30 AM – 11.00 AM</b></p>		<p><b>Raymond Selorm Mamattah</b> Founder and President, E-Governance and Internet Governance Foundation for Africa (EGIGFA), EGIGFA is the convener of Ghana School on Internet Governance (GhanaSIG).</p>		<p><b><i>Valedictory Function</i></b></p>
<p><u><i>Solving Problems by Artificial Neural Network</i></u> <b>Prof. Junzo Watada</b> Professor of Emeritus, Waseda University, Japan.</p>	<p><b>Prof. Bal Kishan Dass</b> Department of Mathematics, University of Delhi.</p> <p><b>Dr. R.P. Singh</b> Research Advisor &amp; Former Associate Professor, Department of Mathematics, Lajpat Rai Post Graduate College, Sahibabad, Ghaziabad.</p>	<p><b>Latha Reddy</b> Co-Chair of the Global Commission on the Stability of Cyberspace.</p> <p><b>Jyoti Panday</b> Asia Policy Fellow, the Electronic Frontier Foundation (EFF).</p> <p><b>Michael Nelson</b> Senior Fellow, Technology and International Affairs Program, Carnegie Endowment for International Peace.</p>	<p><b>17.00 PM – 17.30 PM</b></p> <p><u><i>Lee - Wiener Statistical Theory of Information</i></u> A Quick Review by the Conference Chair</p> <p><b>17.30 PM – 18.00PM</b></p> <p><u><i>Wiener + Macy Meetings + AI = Piloting a New Course</i></u> <b>Prof. Paul Pangaro</b> Professor of Practice, Human Computer Interaction Institute, Carnegie Mellon University.</p>	 <p><b>Dr. Moshe Y. Vardi</b> Professor of Computer Science, Rice University, USA.</p> <p><u><i>Ethics Washing in AI On 25 July 2021</i></u></p>

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