

The Council on Extended Intelligence (CXI) was formed to provide a positive narrative and pragmatic plan for humanity's relationship with machines in the algorithmic age.

## Q1 What is the Council on Extended Intelligence?

The Council on Extended Intelligence is an endeavor comprised of multiple global thought leaders partnering to provide a pragmatic vision for the algorithmic age that will move society beyond the 'us versus them' narrative pervasive in media pitting humans against Artificial Intelligence and machines

By proliferating the ideals of responsible participant design, data agency and metrics of economic prosperity prioritizing people and the planet over profit and productivity, The Council on Extended Intelligence will transform reductionist thinking of the past to prepare for a flourishing future.

## Q2 What is the Council's Mission; what does it hope to achieve?

**The Council's mission:** By proliferating the ideals of responsible participant design, data agency and metrics of economic prosperity prioritizing people and the planet over profit and productivity, we will transform reductionist thinking of the past to prepare for a flourishing future.

## Q3 Who is CXI targeting with its projects?

The general public and policy makers. Our goal with press, articles, and webinars is to show the public at large that reductionist thinking regarding humanity's relationship with machines is both inaccurate and ineffectual in terms of creating a positive future.

While the machines and systems currently comprising 'Artificial Intelligence' offer great promise, the narrative surrounding their proliferation ironically pits humans and their abilities against devices created to replicate people's tasks by design.

This line of reasoning devalues human emotion, spirituality and wisdom while ignoring our connections to one another and the environment in ways that reduce people's wellbeing and diminish the full benefit of the machines we're creating to help society.

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The public at large needs reassurance that while all humans have bias or make mistakes, we are not inherently broken in need of fixing. Extended Intelligence is about recognizing our connection to others, the environment and how humans play an integral role in the development of technology rather than being inevitably devalued and replaced by it.

Likewise, policy makers need a new narrative to build a positive and pragmatic future. Beyond the systems thinking that Extended Intelligence provides, CXI's Projects focusing on helping people be at the center of their data and for society to move Beyond GDP metrics provide pragmatic ideals to create legislation that will champion holistic societal prosperity for all rather than a select few.

## Q4 How do you envision CXI's projects will positively impact citizens?

Our goal is to educate and enlighten as a tool to change minds and hearts. Where our work also impacts policy, CXI will positively influence how algorithmic technology is prioritized by design.

Many citizens feel overwhelmed at the rapid pace in which Artificial Intelligence has taken hold in our society today. While AI presents many positive opportunities, people often feel these advances are out of their control. Every day headlines discuss the loss of jobs, how AI is replacing humans, and how global organizations control human data in ways people cannot understand.

Humans need a new narrative. Where we are to truly partner with machines, it cannot be via force or manipulation. 'Artificial Intelligence' infers a sense of outside organizations providing potential technological benefits or dangers outside of one's control.

'Extended Intelligence' posits that every human is essential as a core part of a systems-driven relationship.

## Q5 What is the difference between "Extended Intelligence", "Artificial Intelligence" and "Intelligent Systems"?

There are multiple technological differences. But in terms of perception regarding how CXI views these terms:

- > **Extended Intelligence** focuses on how systems integrate and work together in synergistic ways. While one machine may impact one human directly in its immediate use, how that person is transformed via the technology may affect dozens of individuals for years to come. Systems thinking also involves non-dualistic thinking regarding how technology's benefits should positively benefit all citizens in society versus only those that can afford or immediately understand it.

Finally, systems thinking involves 'participatory' design which prioritizes a holistic, values-driven sensibility to ask and test how technologies will impact all citizens so products and systems are developed that can provably align with and increase wellbeing.

The era of 'move fast and break things' is now 'first ask then make things.'

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- > **Artificial Intelligence**, as a media narrative, is complex, messy and largely frightening. This is not the fault of any technology company or individual but the speed at which multiple systems and products are being released and how their value is being projected to the general public.

It's easy to forget that a headline describing AI replacing a certain job as being 'revolutionary and increasing GDP' may delight certain segments of the population (companies tasked with increasing the bottom line) while terrifying others (individuals wondering, 'how will I take care of my family when AI replaces me?')

This narrative is also messy because the term, 'Artificial Intelligence' has been around for decades and encompasses multiple disciplines including robotics, cognitive computing, deep learning, and ASI (artificial super intelligence). This lack of clarity is akin to describing everything from a web browser to an app as, 'The Internet.' The term needs to be evolved.

- > **Intelligent Systems** is a term describing machines or algorithms designed to 'learn' by design. They are 'intelligent' in comparison to 'autonomous systems' that are designed to carry out a certain set of functions the same way throughout their design (for example, the cruise control in your car).

## Q6 Who else is involved in CXI?

Please see the [membership list](#).

## Q7 What is the unique value proposition that CXI members bring to the industry?

CXI's initial membership includes multiple global policy makers, economists, business leaders, and technologists. Our goal in bringing together this exclusive group is to amplify the ideals of our Vision for the betterment of society beyond existing reductionist narratives that exist today.

The flourishing future we envision keeps humans as a central part of society working to honor the environment and all the systems that connect people to increase wellbeing. For industry, Extended Intelligence creates a path for long-term sustainability and innovation whereas reductive thinking only focuses on short-term gains.

## Q8 Is CXI looking for other members to join?

For now, the initial membership of CXI is complete. Members were chosen by representatives of IEEE-SA and The MIT Media Lab based on people's backgrounds and alignment with the three Pillars comprising CXI's work. CXI will potentially expand its membership in the future but does not have specific plans yet for how or when that will happen.

## Q9 What is the timeline to deliver on the Three Projects: Extended Intelligence, Digital Identity & Enlightened Indicators?

Please see above. Some deliverables will launch in 2018, others in 2019. Specifics TBD and announced on our website.

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## Q10 What are “principles of systems dynamics and design”?

Systems dynamics has to do with how systems interact with one another in real-world usage.

Oftentimes technological value is described in confined ways regarding its direct usage by one individual. For instance, a mobile phone may offer multiple benefits to an individual to help plan their work, access the Internet, and stay connected with distant friends. However, the fact that it has also diminished how people interact with each other was not fully recognized in its design.

Likewise, while many organizations are working to comply with environmental laws, not enough is being done to proactively prioritize ecological flourishing beyond simply sustaining basic resources. Humans need a healthy planet not only to survive but to benefit from the increased wellbeing that green space and thriving ecosystems can bring.

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