









WARNING SIGNS OF THE FUTURE

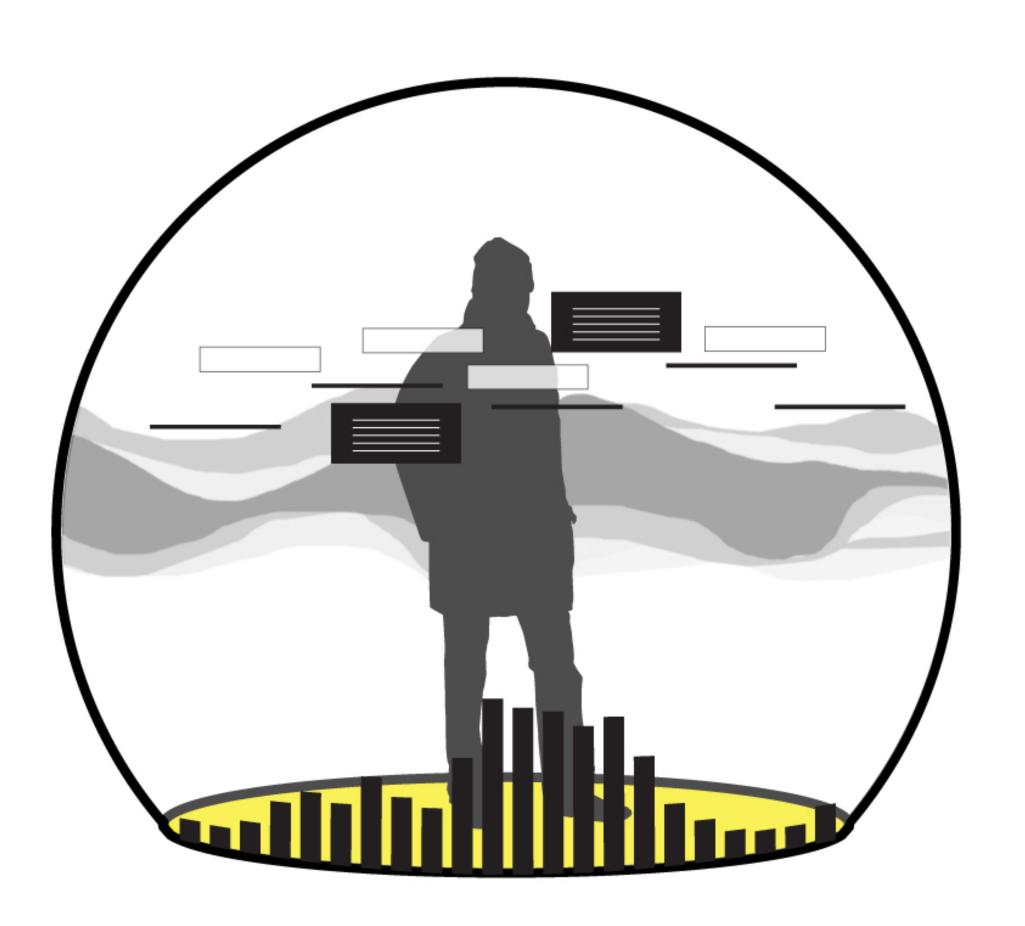
A response to deeply immersive personal and collaborative visualizations

Oriana Love, Dee Kim, Russ Burtner, Lyndsey Franklin, Ian Roberts Pacific Northwest National Laboratory first.last@pnl.gov

BACKGROUND

Information Auras replace smartphones

Information analytics has been democratized. Personalized visualizations are prevalent and surround us... literally. Information auras housing our personal data aid in interactions with others by surfacing current topics of interest – our likes and dislikes. Rather than being tethered to smartphones or other devices, our auras house all of our information and we interact naturally through gesture, mental interaction and tangible computing. Our relevant data is made visible in our aura based on whom we are interacting with. While in groups, our auras fuse based on commonalities and topics of interest in conversation and an intersection of values and passions. Visualizations showing topical convergence, divergence and procedural guidance emerge. It becomes more time efficient to work with others using these highly personalized collaborative aura overlaps than unstructured conversations of the past. Introverted behaviors have become the social norm. Each individual's private, personal data is "underground" or hidden to protect our information from others.

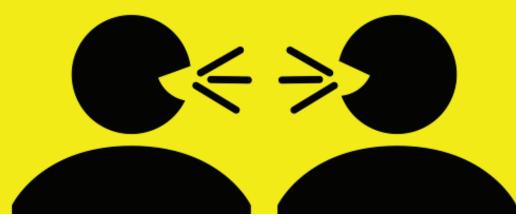




Information aura allows people to view their own information. They can also easily collaborate with others as their auras collide.



REMEMBER TO TAL
AT LEAST
30 MIN A DAY
(TO A HUMAN)



SPEECH

Use it or lose it

Several spoken languages have already been lost in favor of our gesture-based communication, Bubblish. Don't lose your language or ability to socialize outside of your aura. Engage in conversation with another human being for at least 30 minutes a day. Need a speaking partner? Register at: dontloseyourlanguage.com





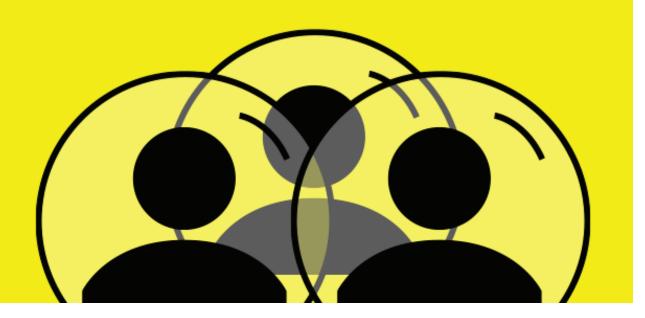
Caution: High levels today

Today's aura fog levels have exceeded acceptable levels causing visibility issues for pedestrians and vehicles. Citizens with sensitivities to projected light are also advised to stay inside.

To avoid aura fog, turn off your aura while walking. Advise others to do the same.



TURN OFF YOUR AURA WHILE WALKING IN POPULATED AREAS





GESTURE-BASED SLAP

Don't walk and gesture at the same time

Several unsuspecting citizens have been very unexpectedly slapped due to aura paging. People in transit have been highly engaged with their auras, some aggressively paging. Mistakenly, this detachment from the task of walking, has resulted in many individuals being accidently slapped, punched or unpleasantly touched. Law enforcement has taken note of this emerging phenomenon and encourages policy updates to prevent walking with one's aura on.

AVOID AWKWARD MOMENTS

No overlapping topics of conversation?

When you are looking to connect with someone in the workplace or socially, it is awkward when your aura finds no overlapping topics of interest. Avoid these awkward moments. Populate your profile with "general information" that can easily be reference including topics such as sports, weather, vacation destinations, and common hobbies.





FLASHING PUTS YOUR FUTURE AT RISK

Keep your private information private

Teenagers, tweens and pre--tweens have been aura flashing strangers and posting the alarmed stranger reactions to prank blogs. Auras contain all your personal information—including highly private, personal medical information. Flashing this information to a complete stranger—even for one second—can put your entire future at risk. Why? Bots can be written to quickly capture all the data including your financial accounts, medical records, aura conversations, and all other highly sensitive information.