What’s Catalyst, HTI?

The Catalyst Health Tech Integrator (HTI) is a networking hub for stakeholders in the health domain in Denver featuring over 70 companies, academic and non-profit institutions. It is located at 3515 Brighton Blvd in downtown Denver’s RiNo district. Mines has an off-campus location at the Catalyst HTI, in suite 245.

In this newsletter you will find information about what we do at the Catalyst.

Message from the Director

We're excited to announce our recent research initiative for Artificial Intelligence (AI) in Bio & Health at the Catalyst HTI.

Why AI in bio & health? Health and wellbeing is the largest employer in the Denver metro area, and IT is the fastest growing industry. The two together make Digital Health and many of the companies at Catalyst HTI are in this sector. Because of the greatest overlap with the Catalyst community, Mines@Catalyst focuses on AI in bio and health.

The vision for Mines@Catalyst is to foster collaboration between entrepreneurs, industry leaders, engineers & researchers as the fastest way to accelerate innovation, advance care, and improve lives. The Catalyst HTI's mission is to bring together startups, established health care entities, nonprofits and academic organizations to spur collaboration.

The Colorado School of Mines has joined the Catalyst community to showcase its presence in the health-tech sector and the city of Denver. Offering a teaching, gallery and networking space to the Mines community, it provides opportunities for seamless integration with the health tech community in Denver.

Come visit us once the stay home order has been lifted.

- Judith Klein-Seetharaman, PhD
Call for Action in Response to COVID-19

In response to COVID-19, Mines has moved to a fully online learning model. But what about research? Is Colorado School of Mines doing anything to flatten the curve? Yes! A number of projects are currently ongoing. Here are two example projects. For more details on these and additional projects, and for a resource on COVID-19, please visit our webpage at: https://catalyst.mines.edu/call-for-action-covid-19/

PROJECT 1: MANUFACTURING OF PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mines, including the Advanced Manufacturing Center, ADAPT, the student Maker Society, and others in the campus community, in collaboration with the National Renewable Energy Laboratory (NREL) have several project to develop masks and face-shields at Mines/NREL facilities for distribution. Hospitals are faced with a shortage of PPE putting hospital workers and patients at dramatic risk of infection. Mines, including the Advanced Manufacturing Center, ADAPT, in collaboration with the National Renewable Energy Laboratory (NREL) have developed a streamlined pipeline for the creation of face-shields at Mines/NREL facilities for distribution among hospitals in Colorado who need them, contributing their expertise in supply chain, 3D printing and scale-up capabilities in the fight against COVID-19.

PROJECT 2: AI OF CLINICAL AND CLAIMS DATA

The Colorado Hospital Association (CHA) administers hospital claims data that provides a unique source of information on how hospitals across Colorado, both in the Denver metro as well as rural areas, cope with COVID-19. Large numbers of digital health companies develop digital health tools, such as telehealth, care coordination, and diagnostic testing, that play a direct role in combating COVID-19. Mines’ expertise in artificial intelligence (AI) will be deployed to analyze CHA data and provide student workforce and training to collaborate with local industries developing predictive models, for example to predict the impact of co-morbidities on COVID-19.
Mark your Calendars for the Grand re-opening of Mines@Catalyst

September 2 | 4:00 - 6:00 PM
RSVP | catalyst.mines.edu/events/

We will showcase Mines research in health and our long-standing research relationship with the Children’s Hospital Colorado.

- Hear from Mines thought leaders who made Mines@Catalyst happen.
- Walk through the bio & health research showcase.
- Meet researchers in health & bio at Mines.
- Introduce collaborative research opportunities between Mines & Children’s Hospital Colorado.

Coming next week
The winners of this year’s Children’s Hospital/Mines Collaboration Awards program competition.

Sign up to receive this newsletter once a week! Please visit and enter your email to subscribe https://mailman.mines.edu/mailman/listinfo/catalyst-events

If you have any comments, suggestions or question, or would like your bio and/or health related project featured on the catalyst HTI website and/or in the newsletter, or if you have any news of relevance to bio and health, please contact judithklein@mines.edu