

COLORADO

CAFÉ SCIENTIFIQUE

TUESDAY 23 JANUARY 2007

at the Wynkoop Brewing Company

<http://www.wynkoop.com/>

Corner of 18th and Wynkoop in LoDo, Denver

About a block from Light Rail. Thirteen minutes by foot from Auraria.

MANNED SPACE EXPLORATION — IS IT WORTH THE TROUBLE? —

George W. Eger III
Senior Staff Embedded Software Engineer
Space Exploration Systems
Lockheed Martin Space Systems Company

Human Space Exploration is one of the most complicated endeavors that humans ever attempt. Why is it so complicated? Why is it valuable? What are the technologies needed for successful human space exploration? Several countries have demonstrated successful robotic exploration. These missions have provided significant information leading to our understanding of the universe. With the continued development of robotic technologies, why pay the price, in both dollars and lives, to send humans to other planets? George Eger will discuss the answers to these questions, tell us what an embedded engineer is, discusses the special issues involved in designing on-board computers (how much does software weigh?), and explain why he is one of the few people who can write in an email “I am currently on Orion” and not be kidding.

EVERYONE IS WELCOME. The discussion starts at 6:30 in the Mercantile Room (no food service there). Come before 6 PM to leave yourself time to get something to eat, or stay and eat afterwards. We end around 8 PM.

There's no charge. The Wynkoop is generously providing the facility; we buy our own drinks. It is first come, first seated, and **seating is limited** so that everyone can take part in the discussion.

The Colorado Café Scientifique is organized by an informal group of President's Teaching Scholars and faculty from CU and institutions up and down the Front Range, as well as science fans from industry, government and elsewhere. We welcome your input, including ideas for speakers and topics. Bring them with you to the next Café, or e-mail them and any questions to John.Cohen@UCHSC.edu

Essential information on our Web site at <http://CafeSciColorado.org>