## Snowman

Gheorghe Tecuci, Xiaohan Ding
Learning Agent Center and Computer Science Department, George Mason University
tecuci@gmu.edu, xding2@masonlive.gmu.edu, http://lac.gmu.edu

## 1. Introduction

This exercise was adapted from:

Jonathan Osbome, Sibel Erduran, Shirley Simon, *Ideas, Evidence & Argument in Science* (IDEAS), King's College London, 2004, pp. 50-55, <a href="https://www.stem.org.uk/elibrary/collection/3308">https://www.stem.org.uk/elibrary/collection/3308</a> <a href="https://www.stem.org.uk/resources/elibrary/resource/28125/ideas-resources">https://www.stem.org.uk/resources/elibrary/resource/28125/ideas-resources</a>

It asks the students to determine which snowman - one wearing a coat or the other one not wearing a coat - will melt first, by building evidence-based argumentations. Section 2 presents the inquiry and Section 3 presents the corresponding argumentation developed with the slnvestigator system.

sInvestigator may be downloaded from <a href="http://lac.gmu.edu/sInvestigator/">http://lac.gmu.edu/sInvestigator/</a>

The knowledge base containing the argumentation may be downloaded from <a href="http://lac.gmu.edu/sInvestigator/CaseStudies.html">http://lac.gmu.edu/sInvestigator/CaseStudies.html</a>

## 2. Inquiry

Which snowman will melt first, Fred (the snowman with the coat) or Birt (the showman without the coat)?

## 3. Analysis





