

COLLOQUIUM

“Creating the Institute for Computational Intelligence (ICI)”

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Abstract:

Computational methods such as artificial intelligence, machine learning and modelling & simulation can be applied to virtually all real-world problems and research disciplines and present tools that provide additional investigative and methodological possibilities. We are creating a new research institute, the Institute for Computational Intelligence (ICI) that will develop and apply computational methods as its core competency. However, rather than doing disciplinary research on computational problems, as an institute we are defining research areas in broader interdisciplinary frameworks that address some of the most challenging problems for Bolivia through computational methods. In this presentation I will introduce the concept of the research institute as well as to motivate the envisioned research directions (sustainable cities, industry & innovation, resilient ecosystems). The objective of the presentation is to receive feedback on the research lines as well as to initiate strategic networking that can lead to future academic, public and private research collaborations.

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