

**ONE-MINUTE  
ELEVATOR PITCHES**

# Promoting transformative learning and teaching experiences in STEM

Isabelle Barrette-Ng, PhD  
3M National Teaching Fellow  
Department of Integrative Biology

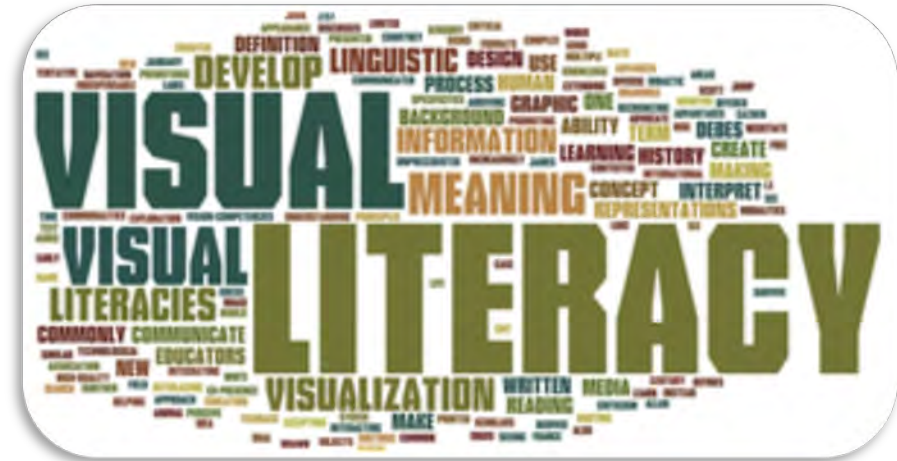


**SAGES graduate student  
teaching development program**



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**Flipped learning and signature  
pedagogies**



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**Visual literacy and its importance  
to problem solving**



University  
of Windsor

**WINDSOR  
PROUD.**

**Adam Mulcaster**  
Information Services Librarian  
Leddy Library

**Competent and confident  
graduates**

- Information literacy for every stage: pre-entry to alumni
- FAHSS Mentorship and Learning

**Amplify expert voices**

- Resource support, open and subscribed
- Beyond class visits
- Systematic review support



# An exciting journey into « Global Science »



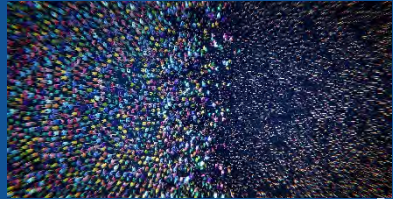
Dr. Aznam YACOUB, PhD in Computer Science

Multimedia, Games & Software Engineering

From Mysteries & Richness of  
Nature, Life & Universe...

Inter- & Multi-disciplinary Approach of Formal, Social, Natural Sciences,  
Studies, Arts & Engineering

... To Inclusive, Alternative &  
Safe Extended Worlds



Humanity (People, Stories, Tales,  
Myths, Chronicles, Games, ...)



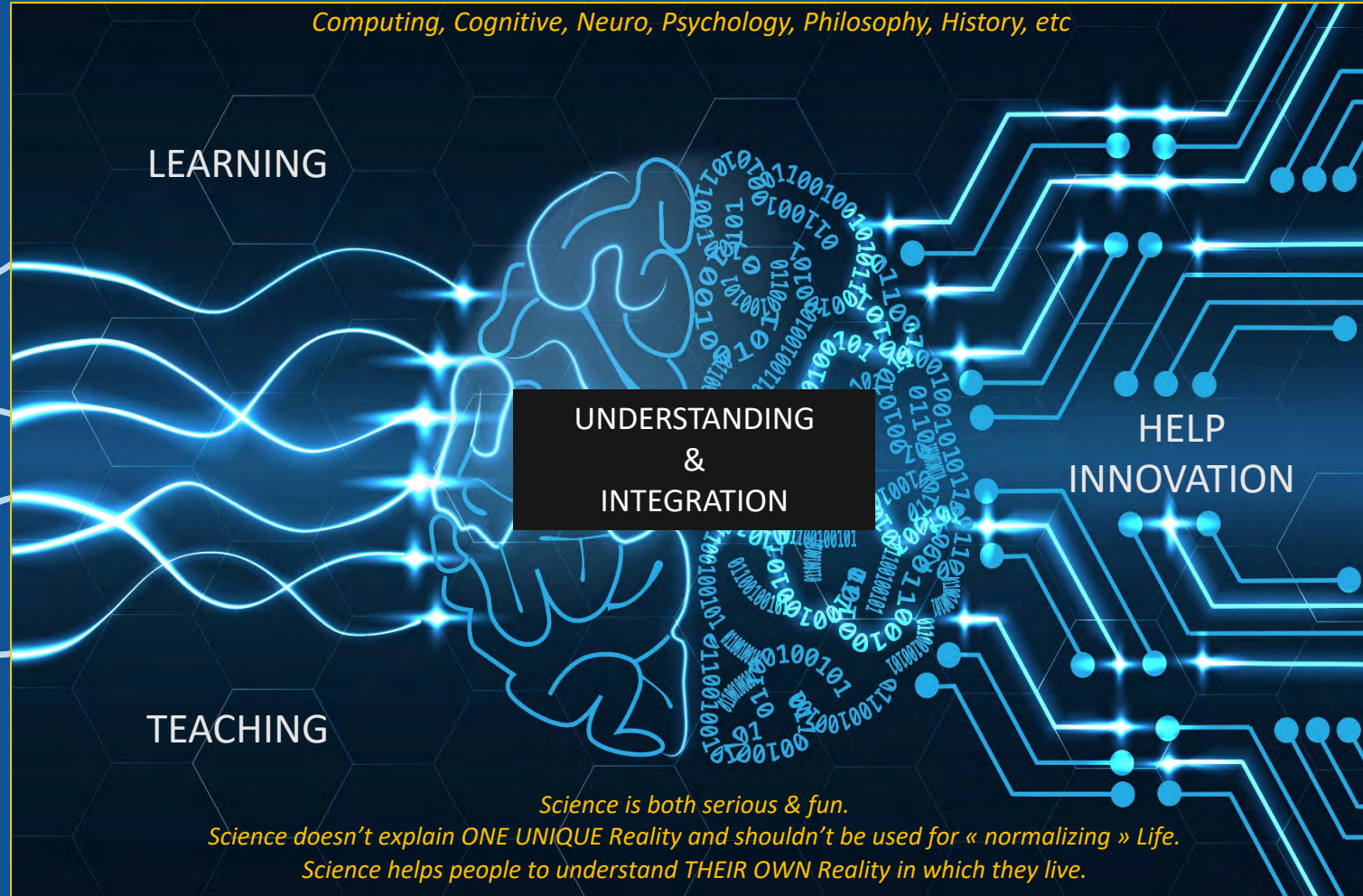
Diversity & Individual Needs



History & Specificities of Communities



Information, Expertise (Professional),  
Knowledge Representation  
Local & Global Problems/Questions



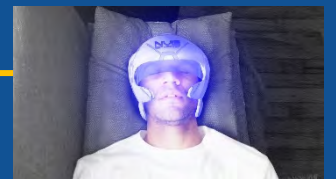
Personalized Life eXperience  
suitable to each individual



Augmented with self-adaptive,  
collaborative & autonomous  
**ART**ificial life forms

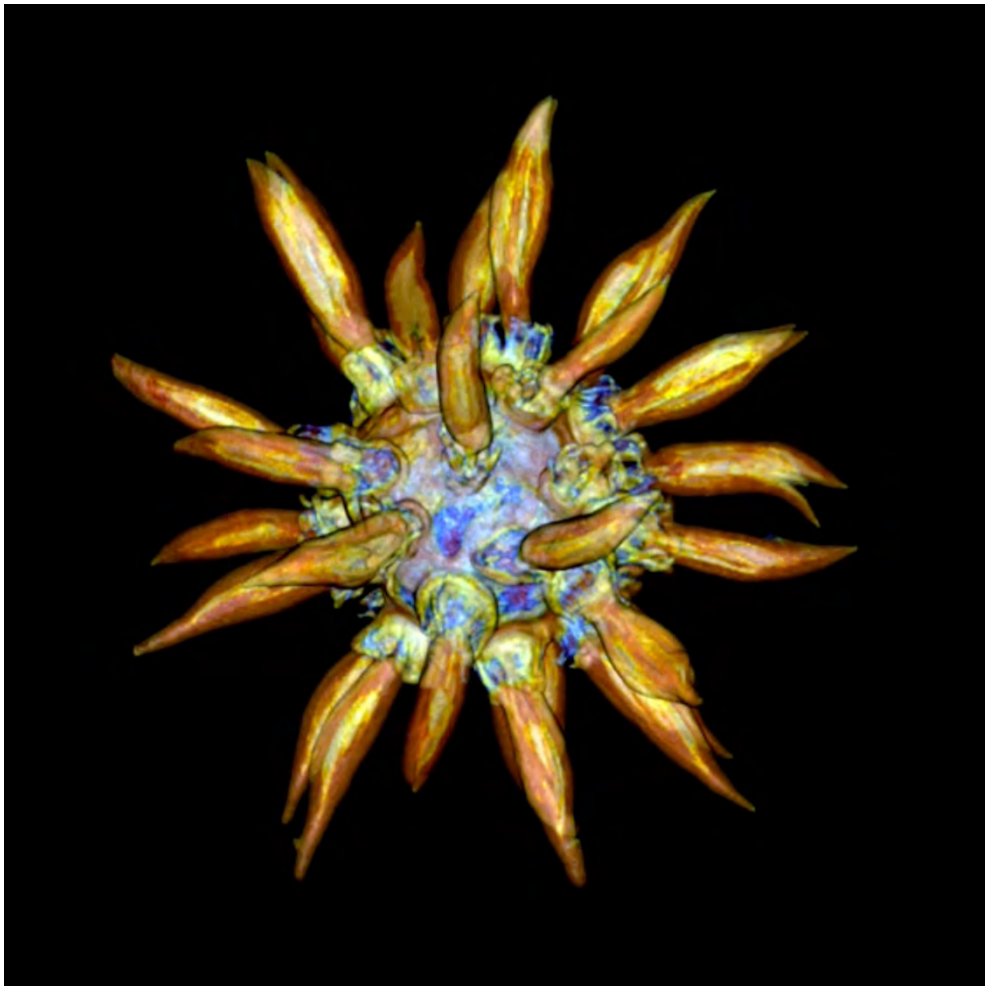


In Interactive, Virtual & Mixed,  
self-evolutive, populated  
Environments



Which integrates your own  
imagination, beliefs, dreams &  
reality.

Artificial/Digital/Hybrid Brain, Mind & Consciousness



*Micrographia*, Video, 5-minute loop  
Generated from CT scan of sculpture made  
from seeds, Japanese paper, oak gall and iron  
ink made from medieval recipe

# Catherine Heard School of Creative Arts Visual Arts, Studio

Website: [www.catherineheard.com](http://www.catherineheard.com)

Research: History of the body, science and  
medicine

Current work: Sculptures designed for CT  
Scanning, output as video using Horos medical  
imaging software

Practice: Interdisciplinary, Sculpture/Installation

Teaching: Focus on First Year Experience



# DR. CHANTAL BOUCHER

Assistant Professor (2021), Clinical Psychologist  
Department of Psychology

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University  
of Windsor

## Research Interests

Autobiographical memory, self-narrative understanding, emotion change, psychological closure, and clinical applications

## Clinical Interests

Assessment and intervention for adults

Anxiety, mood, trauma, and personality disorders

Person-centered, culturally-responsive, and integrative approaches to suit unique needs, strengths, and values of diverse clientele

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- Our current sentencing paradigm is inimical to Black liberation.
- My research will mount a radical structural critique of the institution of retributive punishment. While retribution is not expressly part of the section 718 framework that governs Canadian criminal sentencing, it is implicit in the notion of proportionality as enshrined in the *Criminal Code* and expounded by the Supreme Court of Canada.
- Retributivism is premised on the concept of blameworthiness. However, the notion of blame is rendered hollow when we are considering the crimes committed by people who have very limited opportunities and options due to broader structural racism.
- As Paul butler argues, we are essentially “punishing people for "negative" reactions to racist, oppressive conditions”.
- As such, I argue that, in the Canadian social and political context, the institution of retributive punishment cannot be disentangled from racism and therefore cannot coexist with genuine racial equality. I therefore take the position that any effort at sentencing reform that preserves the fundamental principle of proportionality will ultimately prove inimical to Black liberation and to the eradication of systemic anti-Black racism.





Debbie Sheppard-LeMoine, Faculty of Nursing



# The Impact of Diabetes, Hypertension, Heart Failure, and COPD on Stroke Rehabilitation Outcomes

**Eric Tanlaka, RN, PhD (Assistant Professor)**

*University of Windsor, Faculty of Nursing*

**Kathryn King-Shier, RN, PhD, FESC (Professor)**

*University of Calgary, Faculty of Nursing*

**Sean Dukelow, MD, PhD, FRCPC (Associate Professor)**

*University of Calgary, Department of Clinical Neurosciences, Cumming School of Medicine.*

# The Impact of Diabetes, Hypertension, Heart Failure, and COPD on Stroke Rehabilitation Outcomes

- **Objectives**

- Examine the independent associations between diabetes, hypertension, heart failure and COPD in stroke patients and functional gains, length of stay, and discharge destination.
- Determine whether increased risk of stroke (based on an increase in CHADS2 score) in patients with multiple comorbidities is associated with functional gains, length of stay, and discharge destination.

- **Methods**

- Data from a cohort of patients attending inpatient stroke rehabilitation units in Alberta between 2014 and 2018 shall be obtained from Alberta Health Services Provincial Inpatient Database and analyzed.
- Sample: ~ 3000 with clinical diagnosis of ischemic or hemorrhagic stroke
- Subcategories based on admission FIM score: mild, moderate, severe
- Outcome measures: Functional Independence Measure (FIM); CHADS2 Index

- **Implications**

- We hope that our study will provide a better understanding of whether patients who have a particular comorbidity in addition to stroke are more likely to experience poorer functional outcomes and to benefit from rehabilitation than those who do not have that particular comorbidity.



# James Alan Oloo

B.Ed (Maseno, Kenya), M.Ed (Lethbridge), MPP (SFU), PhD (Regina)

- Assistant Professor, Educational Administration, Policy and Leadership.
- Previously:
  - Research Coordinator, Gabriel Dumont Institute.
  - Research & Policy Analyst, City of Edmonton, Government of Alberta, Government of Canada.
  - Teacher, Kakuma Refugee Camp, UNHCR, Kenya.
- Interests:
  - Ways of improving learning experiences for all students.
  - Understanding factors and conditions that enhance success among underrepresented students.

# Psychosocial Functioning in Type 1 Diabetes



Jessica C. Kichler, PhD, CDCES

Associate Professor, Department of Psychology

## Type 1 Diabetes

### Constructs Examined:

- Self-management & Adherence
- Resilience/Coping
- Depression/Distress

### Populations Studied:

- Children & Adolescents
- Families
- Young Adults

### Methods Used:

- Training Coaches & Diabetes Educators
- Screening Protocols
- Group Treatment



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Interdisciplinary scholar:

Postdoc in Social & Behavioural Health Sciences; Gender, Feminist & Women's Studies (PhD); Social Justice and Equity Studies (MA); Conflict Resolution Studies (BA).

Current research areas:

2SLGBTQI+ mental health & disability;

Anti-violence & trauma informed care

Future research:

Assisted reproduction and transgender people

Approaches:

Qualitative;

Participatory;

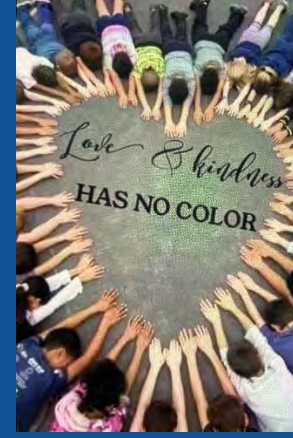
Social justice-based



Dr. Merrick Pilling, **Women's  
and Gender Studies**

Merrick.Pilling@uwindor.ca

Summer 2020



“Diversity + Inclusion=Unity”  
Nicole Scott, School of Social Work

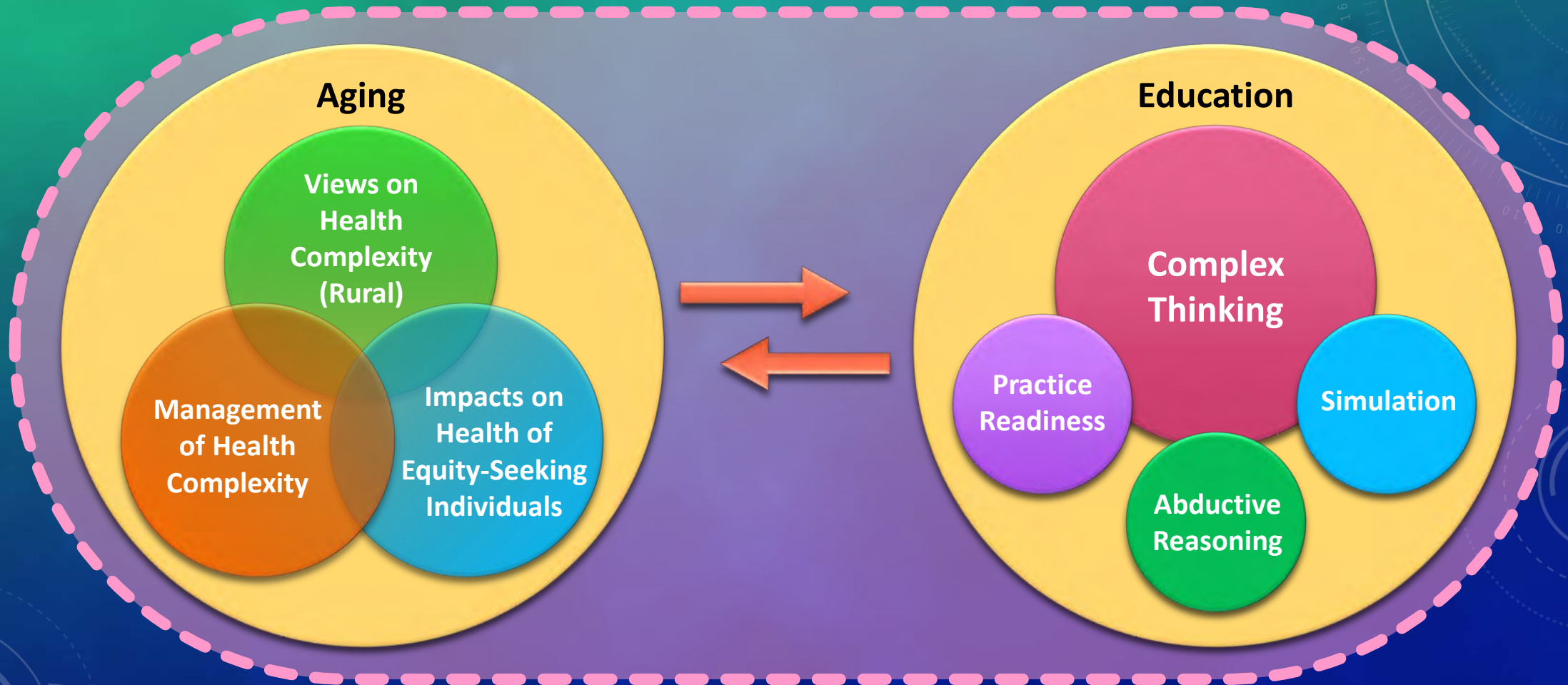


Summer 2020



# COMPLEXITY

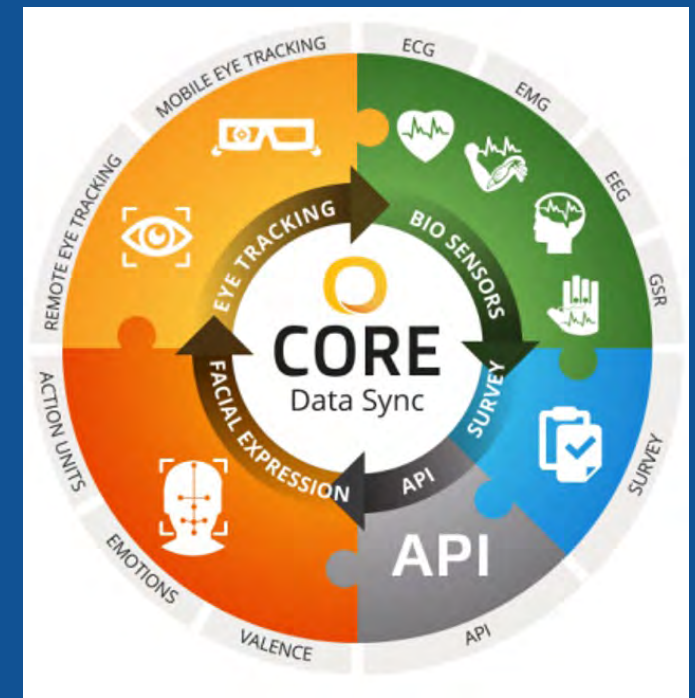
DR. NOEMAN AHMAD MIRZA, Faculty of Nursing



# Pardeep Jasra Faculty of Science

## Research Interests:

- Advanced Techniques in Trace Evidence Analysis.
- Biometric Platform for Forensic Investigations.
- 3D Crime Scene Reconstruction.
- Questioned Document Analysis



**BIOMETRIC**

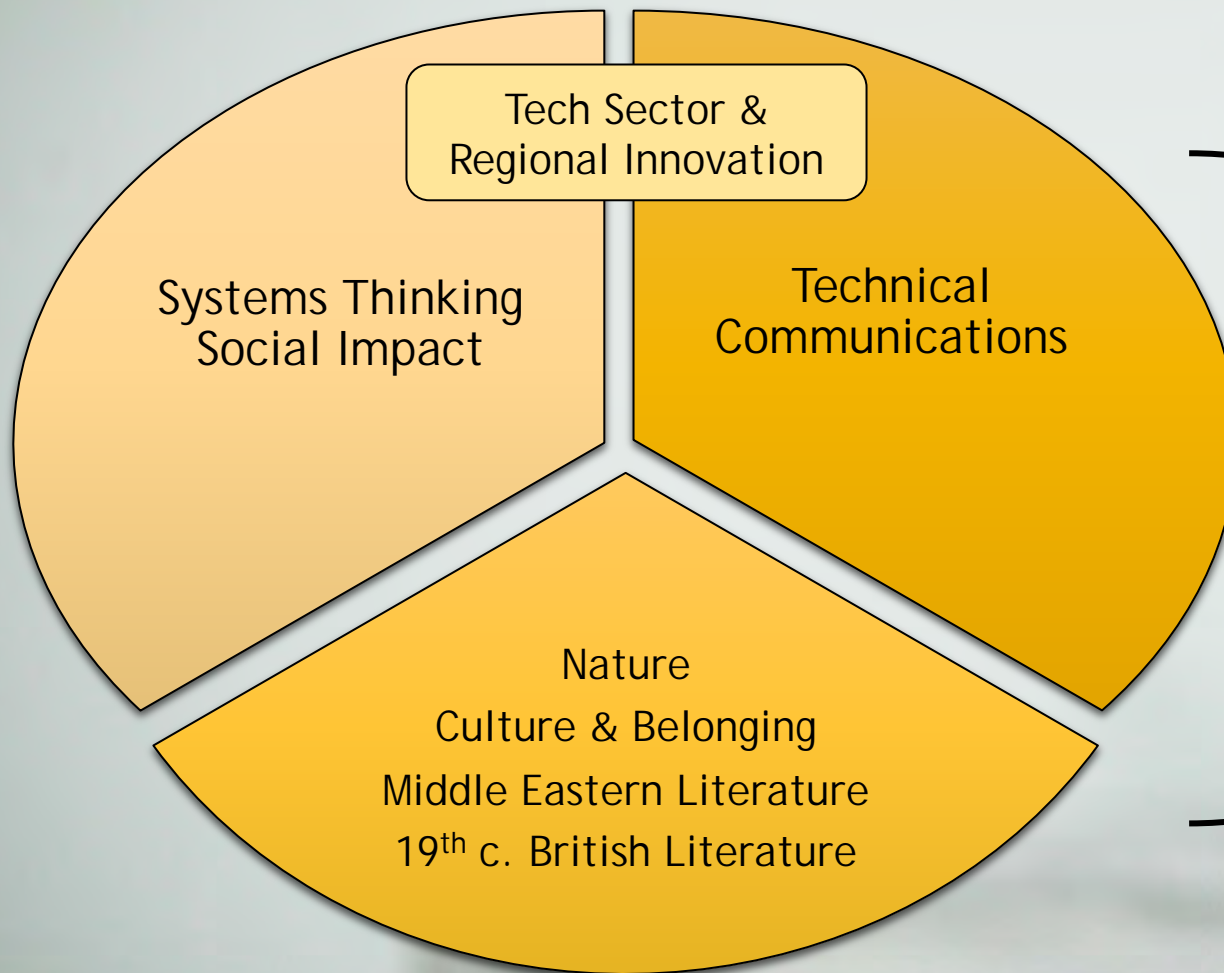


**AUDIO FORENSIC**



**3D RECONSTRUCTION**





Victoria M. Abboud, PhD

Communication, Media, and Film / Engineering  
School of Computer Science



NFO 2020