On the Awareness about Diversity and Inclusion being integrated to Requirements Engineering
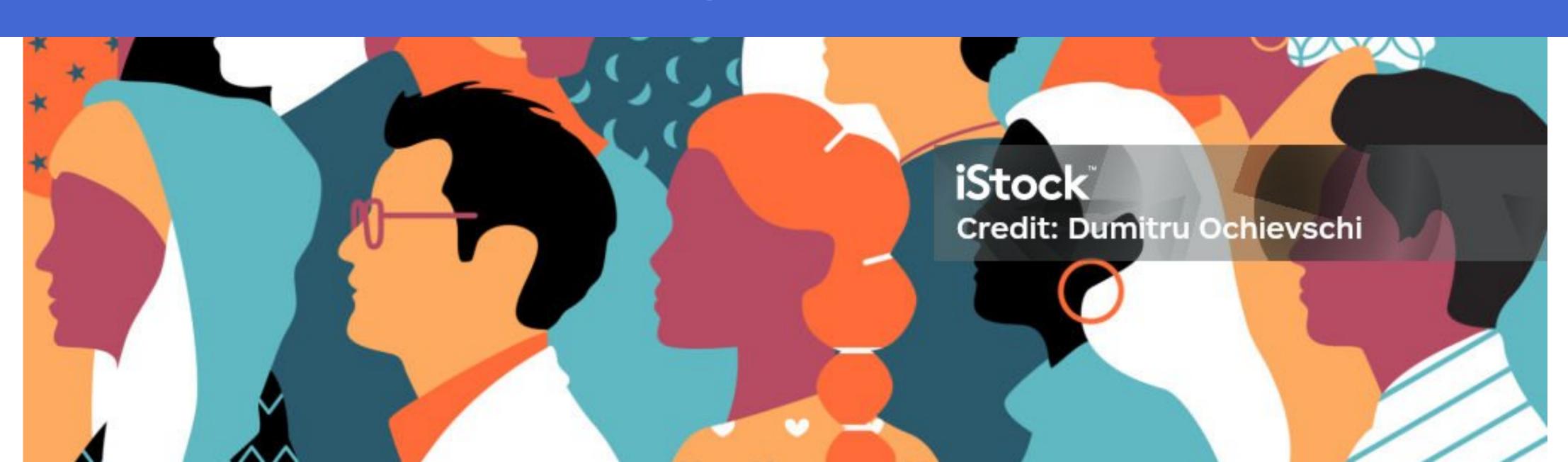
Kiev Gama
kiev@cin.ufpe.br

How diverse are your software users?

iStock™
Credit: Dumitru Ochievschi

Perceived Diversity

"The diversity factors with which individuals are born with (e.g., gender, age, race, and nationality)"

Diversity is being recognized as a high-quality team property

Rodríguez-Pérez, G., Nadri, R., & Nagappan, M. (2021). Perceived diversity in software engineering: a systematic literature review. Empirical Software Engineering, 26, 1-38.

Diversity dimensions we will be discussing

Race and Ethnicity

Gender

Disability

Neurodiversity

Age

D&I Challenges for Software Users
Race and Ethnicity

Algorithmic racial bias

Representation

D&I Challenges for Software Users
Gender

Gender biases

Binary male-female perspective

D&I Challenges for Software Users
Disability

Developers lack empathy with users

Accessibility is rarely a priority

D&I Challenges for Software Users Neurodiversity

Many users are neurodivergent
(Autism Spectrum Disorder, ADHD, Dyslexia)

Cognitive overload

D&I Challenges for Software Users
Age

Many elderly users present visual, psychomotor and cognitive limitations

AI ageism

Actionable points

Foster awareness and empathy in software teams

Involve diverse stakeholders

Incorporate Diversity into processes

Adopt established guidelines

PORTUGAL
LISBON | APRIL 14–20

ICSE 24

1st Workshop on Multi-disciplinary, Open, and RElevant Requirements Engineering

On the Awareness about Diversity and Inclusion being integrated to Requirements Engineering

Kiev Gama
kiev@cin.ufpe.br

Centro de Informática
UFPE

National Institute of Science and Technology in Software Engineering

ines