

# CDC/NIOSH Future of Work Initiative Priority Topics

## Issues that Impact Workplace, Work, and Workforce

Emergency and Disaster Preparedness and Response • Exposures and Hazards • Extreme Weather Conditions • Globalization • Industry 4.0 • OSH 4.0 • Policies • Politics • Resources • Social Disruption

### WORKPLACE

#### ORGANIZATIONAL DESIGN

Autonomy • Burnout and Stress Prevention • Healthy Leadership • Job Flexibility • Leave Systems • Scheduling • Social and Corporate Responsibility • Workplace Built Environment • Workspace • Work-Life Fit

#### TECHNOLOGICAL JOB DISPLACEMENT

Automation • Digitalization • Job Quantity and Quality • Occupational Polarization • Productivity Enhancement and Quality Improvement through Automated Manufacturing • Stable, New, and Redundant Work

#### WORK ARRANGEMENTS

Alternative • App-Based • Contingent • Contractual • Direct Hire • Distributed • Free-Lancer • Job Sharing • Non-Standard • On-Call • On-Demand • Part-Time • Platform • Precarious • Seasonal • Single vs. Multi-Employers • Temporary

### WORK

#### ARTIFICIAL INTELLIGENCE

Deep Learning • Machine Learning • Neural Networks

#### ROBOTICS

Autonomous, Collaborative, Industrial, Managerial, Service, and Social Robots • Autonomous Vehicles • Human-Machine Interaction • Unmanned Aerial Systems • Wearable Exoskeletons and Exosuits

#### TECHNOLOGIES

Additive and Smart Manufacturing, and 3D Printing • Advanced, Cloud, and Quantum Computing • Bio-Manufacturing • Bio-Technology • Clean and Green Technologies • Digitalization • Information and Communication Technologies • Internet-of-Things • Nanotechnology and Advanced Materials • Sensors • Sensor Surveillance • Smart Personal Protective Equipment

### WORKFORCE

#### DEMOGRAPHICS

Diversity and Inclusivity • Multi-Generational • Productive Aging • Vulnerable

#### ECONOMIC SECURITY

Adequate Wages • Equitable and Commensurate Compensation and Benefits • Minimum Guaranteed Hours

#### SKILLS

Continual Education, Learning, and Training • Re-Skilling and Up-Skilling