



**Industry 4.0**  
**Work and social security**

Gabriela Mendizábal Bermúdez  
Alfredo Sánchez Castañeda  
Patricia Kurzcyn Villalobos

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Prof. Gabriela Mendizábal Bermúdez  
Facultad de Derecho y Ciencias Sociales de la  
Universidad Autónoma del Estado de Morelos  
Av. Universidad No. 1001, Col Chamilpa,  
Cuernavaca, Morelos,  
C.P. 62209, Mexico  
Tel: (00 52 777) 329 70 00 Ext. 3232  
gabymendizabal@yahoo.com.mx  
mgabriela@uaem.mx

Prof. Alfredo Sánchez Castañeda  
Full-time "C" full-time researcher  
level PRIDE: D  
Coordinator of the Social Law Area  
at the Instituto de Investigaciones Jurídicas de la UNAM  
Tel: (00 52 555) 6227474 Ext.: 85296  
asc@unam.mx

Prof. Patricia Kurzcyn Villalobos  
Licensed researcher,  
Level PRIDE-D,  
Director of Revista Latinoamericana de Derecho Social  
del Instituto de Investigaciones Jurídicas de la UNAM  
Tel: (00 52 555) 6227474 Ext.: 85231  
kurczyn@unam.mx

## **Introduction**

The term industry 4.0 - or also known as the fourth industrial revolution or intelligent factory - began to be used in German industries, and is defined as a new model of organization and control of the value chain through the life cycle of the product and throughout the manufacturing systems supported and made possible by information technologies.

The use of new information technologies brings new situations that the Law must regulate, specifically regarding the protection of workers. In effect, industry 4.0 presupposes a digital transformation which involves companies and therefore workers. That is why, this evolution in labor relations which involve the use of new information technologies, must be regulated from a labor and social security perspective by the law.

## **Objective**

To study from a labor and multidisciplinary social security perspective the challenges faced by workers and society in general before the incorporation of Industry 4.0 in Mexico and in the world, this through a Comparative Law study with the intention of formulating legal proposals that allow labor and social security protection for Mexican workers.

## **Logistics for the development of the collective research project**

To develop the objective of the research project, renowned researchers from different countries are invited to join an international team on the subject.

Each of them will develop a chapter for a book, which will be submitted to a peer- review (normally blinded) process with the intention of making the appropriate adjustments according to the project.

The preliminary results will be presented at the event: XI International Social Security Colloquium to be held the 6<sup>th</sup> and 7<sup>th</sup> of September of 2018 in Cuernavaca Morelos at the facilities of the Universidad Autónoma del Estado de Morelos and the Casa de la Cultura Jurídica in Mexico.

The research project has been submitted to a scientific contest to the National Council of Science and Technology of Mexico (CONACYT) to be supported with funding and in the case that the project might be accepted, there would be some transportation and lodging scholarships for the members of the international research group who requires it.

Subsequently, adjustments will be made to all works and together with the team of Mexican researchers' proposals the book will be integrated, containing the following sections:

## **Appendix I: Provisional Outline of the Book**

1. Introduction

### **PART I**

2. The industry 4.0 and the social security – Prof. Gabriela Mendizábal Bermúdez
3. Industry 4.0 and labor law- Prof. Alfredo Sánchez Castañeda
4. Transparency, access to information and protection of personal data in a society 4.0. – Prof. Patricia Kurzcyn Villalobos

### **PART II**

5-12. International Case Studies

### **PART III**

13- 18. Mexico and its problems against the industry 4.0

### **PART IV**

19. Conclusions

## **Categories of analysis for chapters of study cases by nation**

1. Referential framework for the implementation of Industry 4.0 in your country. Data that contextualizes the level of implementation of industry 4.0 in your country, industrial branches in which it has permeated, benefits of its use in society in general, statistical data of internet access and digital training, etc.
2. National problems before the transition to a society 4.0.
3. Current legal rules of Labor law and Social Security that allow the protection of workers by the entry of industry 4.0.
4. Proposals for legal reforms and current projects as solution measures to the national problems.

## **Important dates**

Date	Activities
30.1.18	Deadline for the confirmation of a research team
10.07.18	Deadline to submit the first draft
11.07.18	Draft is sent to a peer- review
08.08.18	Results of opinion and communication of observations
06.09.18 07.09.18	Presentation of the research in a colloquium in Cuernavaca
30.09.18	Deadline to submit the corrected chapters
	Missing parts: Prologue and introduction, conclusions
30.10.18	First completed draft
1.11.18	Delivery to press