

Pamela Jocelyn Palomo Martinez  
Departamento de Física y Matemáticas  
Vicerrectoría Académica  
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## Research interests

My research interests include, but are not limited to the following areas: operations research, vehicle routing problems, metaheuristics, linear programming, and supply chain optimization.

## Qualifications

Operations research, PhD in Systems Engineering, Mathematical formulations and optimization algorithms for solving rich vehicle routing problems, Universidad Autonoma de Nuevo Leon  
Aug 2015 → Dec 2018  
Award Date: 30 Nov 2018

Operations research, MSc in Systems Engineering, The orienteering problem with additional constraints, Universidad Autonoma de Nuevo Leon  
Jan 2013 → Jul 2015  
Award Date: 8 Jul 2015

Mathematics, BSc in Mathematics, Using a Stackelberg-Evolutionary algorithm for solving the toll optimization problem, Universidad Autonoma de Nuevo Leon  
Aug 2008 → Dec 2012  
Award Date: 3 May 2013

## Employment

**Departamento de Física y Matemáticas**  
Universidad de Monterrey  
Mexico  
1 Jun 2019 → present

**Vicerrectoría Académica**  
Universidad de Monterrey  
Mexico  
1 Jun 2019 → present

## Research outputs

**The bi-objective traveling purchaser problem with deliveries.** / Palomo Martinez, Pamela Jocelyn; Salazar-Aguilar, M. Angélica.  
In: European Journal of Operational Research, Vol. 273, No. 2, 03.2019, p. 608-622.

**Formulations for the orienteering problem with additional constraints.** / Palomo Martinez, Pamela Jocelyn; Salazar-Aguilar, M. Angélica; Albornoz, Victor.  
In: Annals of Operations Research, Vol. 258, No. 2, 01.11.2017, p. 503-545.

**Planning a selective delivery schedule through Adaptive Large Neighborhood Search.** / Palomo Martinez, Pamela Jocelyn ; Salazar-Aguilar, M. Angélica; Laporte, Gilbert.  
In: Computers and Industrial Engineering, Vol. 112, 10.2017, p. 368-378.

**A hybrid variable neighborhood search for the Orienteering Problem with mandatory visits and exclusionary constraints.** / Palomo Martinez, Pamela Jocelyn; Salazar-Aguilar, M. Angélica; Laporte, Gilbert et al.  
In: Computers and Operations Research, Vol. 78, 01.02.2017, p. 408-419.

## Activities

### **Aproximando soluciones de problemas complejos de optimización**

Pamela Jocelyn Palomo Martinez (Speaker)  
16 Mar 2022

### **A dynamic bi-objective traveling purchaser problem with deliveries**

Pamela Jocelyn Palomo Martinez (Speaker)  
13 Oct 2021

### **Relinked variable neighborhood search for a bi-objective traveling purchaser problem with deliveries**

Pamela Jocelyn Palomo Martinez (Speaker)  
2019 → ...

### **A relinked variable neighborhood search for the bi-objective traveling purchaser problem with deliveries**

Pamela Jocelyn Palomo Martinez (Speaker)  
2018 → ...

### **A bi-objective traveling purchaser problem with deliveries**

Pamela Jocelyn Palomo Martinez (Speaker)  
2017 → ...

### **Interuniversity Research Centre on Enterprise Networks, Logistics and Transportation**

Pamela Jocelyn Palomo Martinez (Visiting researcher)  
2016 → ...

### **Problema del agente viajero selectivo con restricciones adicionales**

Pamela Jocelyn Palomo Martinez (Speaker)  
2016 → ...

### **Introducción a optimización combinatoria**

Pamela Jocelyn Palomo Martinez (Speaker)  
2015 → ...

### **Un algoritmo heurístico para el problema del agente viajero selectivo con restricciones adicionales**

Pamela Jocelyn Palomo Martinez (Speaker)  
2015 → ...

### **A heuristic procedure for the orienteering problem with additional constraints**

Pamela Jocelyn Palomo Martinez (Speaker)  
2014 → ...

### **Formulaciones para el problema del agente viajero selectivo con restricciones adicionales**

Pamela Jocelyn Palomo Martinez (Speaker)  
2014 → ...

### **Problema del agente viajero selectivo con restricciones adicionales**

Pamela Jocelyn Palomo Martinez (Speaker)  
2014 → ...

### **Problema del agente viajero selectivo con restricciones adicionales**

Pamela Jocelyn Palomo Martinez (Speaker)  
2014 → ...

### **The team orienteering problem with additional constraints**

Pamela Jocelyn Palomo Martinez (Speaker)

2014 → ...

### **Universidad Técnica Federico Santa María**

Pamela Jocelyn Palomo Martinez (Visiting researcher)

2014 → ...

### **GRASP reactivo para el problema del agente viajero selectivo**

Pamela Jocelyn Palomo Martinez (Speaker)

2013 → ...

### **El problema de fijación de cuotas en una red de transporte**

Pamela Jocelyn Palomo Martinez (Speaker)

2012 → ...

### **Resolución del problema de cuotas óptimas utilizando un algoritmo Stackelberg-Evolutivo**

Pamela Jocelyn Palomo Martinez (Speaker)

2012 → ...

### **Resolución del problema de cuotas óptimas utilizando un algoritmo Stackelberg-Evolutivo**

Pamela Jocelyn Palomo Martinez (Speaker)

2012 → ...

## **Prizes**

### **Apoyo Sofía Kovalévskaja**

Palomo Martinez, Pamela Jocelyn (Recipient), 2017

### **Medalla al Mérito Juvenil San Pedro 2019**

Palomo Martinez, Pamela Jocelyn (Recipient), 2019

### **Medalla Orgullo Joven FIME 2018**

Palomo Martinez, Pamela Jocelyn (Recipient), 2018

### **Primer lugar en el Certamen Nacional de Tesis del XXIX Congreso Nacional y XV Congreso Internacional de Informática y Computación**

Palomo Martinez, Pamela Jocelyn (Recipient), 2016