

# Dr. Edgardo Carreón

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*"...exceptionally energetic and enthusiastic teacher...projects a charisma that captures the imagination of students...demonstrated excellent classroom management skill..."*

Simon Pearson  
former administrator

*"...business background in technology was supportive to the use of videos and computers in the class...She volunteered for cooperative opportunities in the media center and helped teachers to accommodate computers...I recommend her with the highest regard..."*

Aidan Delaney  
2nd Grade Teacher  
New York City Schools

## Highlights

- \* 16 years' experience in education field.
- \* Energetic, dynamic approach to teaching.
- \* Very enthusiastic. Quickly establish strong relationships with staff and students.
- \* Creative thinker. Enjoy challenging young minds.
- \* Forthright and assertive. A friendly, competent and hardworking professional.
- \* Strong organization and motivation skills.

## Education

- **2014-current Mathematics Instructional Coach 6-8**  
Dallas ISD
- **2013-2014 Mathematics Instructional Coach Prek-5**  
Dallas ISD
- **2005-2013 State Certified Bilingual Teacher and Certified Math 4-8**  
Dallas ISD,  
[www.dallasisd.org](http://www.dallasisd.org)
- **1997-2000 Ph. D. in Optics,**  
National Institute of Astrophysics, Optics, and Electronics (INAOE), Puebla, Mex.  
[www.inaoep.edu.mx](http://www.inaoep.edu.mx)
- **1995-1997 M. S. in Optics.**  
National Institute of Astrophysics, Optics, and Electronics (INAOE), Puebla, Mex.  
[www.inaoep.edu.mx](http://www.inaoep.edu.mx)
- **1990-1995 B. S. Engineering in Industrial Electronics.**  
Technology Institute of Piedras Negras,  
Piedras Negras Coah., Mex  
[www.itpiedrasnegras.edu.mx](http://www.itpiedrasnegras.edu.mx)

## Awards, Fellowships, Grants

**2005** Teacher of the Year, Dallas Independent School District

## Positions Held

**08/2003-Current** State Certified Bilingual Teacher  
Dallas Independent School District  
Elementary Bilingual Teacher

*"...deeply involved in learning about the educational state-of-the-art, investigating research and designing instructional materials...I look forward to the time when Diane will bring her love of children, enthusiasm, initiative, and intelligence into her own classroom."*

Monica Brink, Ed.D.

*"My ability to motivate students and share a love of learning fosters a successful classroom environment.... I would welcome becoming part of 'the village that raises the child' in your district."*

Jenny Lysaker

**08/2006-06/2012**

**Mathematics Coach Representative**  
Campus Instructional Leadership Team  
Celestino M. Soto Elementary

**02/2009-07/2011**

**Part-Time of Site Coordinator of ABE**  
Adult Basic Education (ABE) Program  
Dallas Independent School District

**08/2000-07/2003**

**Full-time Chief and Researcher of the Electrical and Electronics Department**  
Instituto Tecnológico de Nuevo Laredo  
Nuevo Laredo Tamaulipas, México

**08/2000-07/2003**

**Full-time Professor for Graduate and Undergraduate in Electrical and Electronics department**  
Instituto Tecnológico de Nuevo Laredo  
Nuevo Laredo Tamaulipas, México.

**08/2002-02/2003**

**Part- time Professor for Graduate program**  
Universidad Autónoma de Tamaulipas (Reynosa)  
Reynosa Tamaulipas, México

### **International Publications**

1. "Analysis and Design of pixelated diffractive elements in the Fresnel Domain," Proceedings of SPIE", Vol. 3951 (2000)241.
2. "Self-Apodization of low resolution pixelated lenses", Applied Optics, Vol. 38 (1999).
3. "Implementation of Fourier array Illuminators using pixelated SLM: efficiency limitations", Optics Communications, Vol. 160 (1999) 207.
4. "Design and optimization of pixelated Fresnel array illuminators", Optical Technology, (2002).

### **Certifications**

**2003-2005** "State Certified Bilingual Generalist Teacher,"  
Alternative Certification  
Dallas ISD

### **Languages**

- English
- Spanish

## **Conferences**

- “Analysis and Application of Low-Resolution Optical Elements”, Texas A&M International University, College of Science and Technology, Laredo Tx, 2002.
- “Análisis y optimización de lentes pixelizadas”, Congreso Internacional de Ingeniería Electrónica, Chihuahua México, 2002
- “Arreglos de Iluminación tipo Fresnel pixelizados”, Congreso internacional de ingeniería Electrónica, Chihuahua Mex, 2001.
- “Pantallas de Cristal liquido en Computación Óptica”, Congreso de Ingeniería Electrónica, Nuevo Laredo Tamps., Mex, 2000.
- “Despliegue en tiempo real de elementos ópticos difractivos empleando una pantalla de cristal liquido como modulador espacial”, Sociedad Mexicana de Instrumentación, Ensenada Mex, 1998.
- “Síntesis de señales ópticas bidimensionales utilizando una pantalla de cristal liquido como filtro espacial”, Congreso Nacional de Física, San Luis Potosí, Mex, 1998.
- “Limite de eficiencia de elementos difractivos desplegados en una pantalla de cristal liquido”, Congreso Nacional de Física, Monterrey Mex., 1997.
- “Síntesis de rejillas de fase bidimensionales mediante holografía binaria”, Congreso Nacional de Fisica, Oaxaca Mex, 1996.

## **Computer and Technology skills**

***Platforms:* Windows NT, Windows 95/98, Windows 7, Novell Group Wise**

***Languages:* C/C++, Pascal, Basic, Matlab, LabView**

***Tools:* MS Office (Powerpoint, Excel, Word, Access), Outlook, databases,**

**SQL, Internet Browsers, document cameras, smart boards,**

**moodle, digital classroom technology, wireless technology and**

**many other applications and technological devices.**