

# Eduardo G. Yukihara

## EDUCATION

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| University of São Paulo, São Paulo, Brazil     | Physics             | B. S. - 1995 |
| University of São Paulo, São Paulo, Brazil     | Nuclear Physics     | Ph.D. - 2001 |
| Postdoctoral Fellow, Oklahoma State University | Radiation Dosimetry | 2001 - 2004  |

## APPOINTMENT

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Sep 2004 - Assistant Professor at Oklahoma State University

## REFEREED JOURNAL ARTICLES

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1. E. G. Yukihara, V. H. Whitley, S. W. S. McKeever, A. E. Akselrod, M. S. Akselrod. *Effect of high dose irradiation on the optically stimulated luminescence of  $Al_2O_3:C$* . Radiat. Meas. 38, 317-330 (2004).
2. J. C. Polf, E. G. Yukihara, M. S. Akselrod, S. W. S. McKeever. *Real-Time Luminescence from  $Al_2O_3$  Fiber Dosimeters*. Radiat. Meas. 38, 227-240 (2004).
3. E. G. Yukihara, R. Gaza, S. W. S. McKeever, C. G. Soares. *Optically stimulated luminescence and thermoluminescence efficiencies for relativistic heavy charged particle irradiation in  $Al_2O_3:C$* . Radiat. Meas. 38, 59-70 (2004).
4. E. G. Yukihara, V. H. Whitley, J. C. Polf, D. M. Klein, S. W. S. McKeever, A. E. Akselrod, M. S. Akselrod. *The effects of deep trap population on the thermoluminescence of  $Al_2O_3:C$* . Radiat. Meas. 37, 627-368 (2003).
5. E. G. Yukihara, E. M. Yoshimura, E. Okuno. *Paramagnetic radiation-induced defects in gamma-irradiated natural topazes*. Nucl. Instr. Meth. Phys. Res. B 191, 266-270 (2002).
6. E. G. Yukihara, S. W. S. McKeever, E. Okuno, E. Yoshimura. *Characterisation of the thermally stimulated conductivity and thermoluminescence of natural topaz*. Radiat. Prot. Dosim. 100, 361-364 (2002).
7. M. Suszynska, B. Macalik, T. M. Kowal, E. Okuno, E. M. Yoshimura, E. G. Yukihara. *Radiation-Induced Effects in Soda-Lime Silicate Glasses of Different Origin*. Radiat. Effects Defects Solids 156 (1-4), 353-358 (2001).
8. E. G. Yukihara, T. M. Piters, E. Okuno, R. Melendrez, E. M. Yoshimura, R. Pérez-Salas. *Thermoluminescence emission spectra of gamma Irradiated Topaz [ $Al_2SiO_4(F, OH)_2$ ]*. Radiat. Prot. Dosim. 84, 265-268 (1999).
9. E. G. Yukihara, E. Okuno. *On the thermoluminescent properties and behavior of Brazilian topaz*. Nucl. Instrum. And Meth. In Phys. Res. B. 141, 514-517 (1998).
10. E. G. Yukihara, E. Okuno. *Non-first-order thermoluminescent peaks in topaz*. Radiat. Effects Defects Solids 46, 227-287 (1998).

## **COLLABORATORS & OTHER AFFILIATIONS**

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- (a) **Collaborators:** Von H. Whitley (Naval Surface Warfare Center), Mark S. Akselrod (Landauer), Tom Stoebe (University of Washington), Tai Chen (University of Washington), Yukio Uchihori (Nuclear Institute of Radiological Sciences, Japan), Eric Benton (Eric Research Inc.), James Durham (Colorado State University), Chris Soares (NIST).
- (b) **Graduate and Postdoctoral Advisor:** Emico Okuno (University of São Paulo), Stephen W. S. McKeever (Oklahoma State University)