

**Evandro Luis Lavorenti, BS**  
*Curriculum Vitae*



---

## Education

**Bachelor of Science in Systems Analysis** **2001 - 2005**  
*Methodist University of Piracicaba, UNIMEP* *Piracicaba, SP, Brazil*  
Internship: developed software for management of suppliers, raw materials and sale of products in the food industry.

---

## Professional Experience

**International Plant Nutrition Institute – IPNI, Brazil Program** **Jan 2007 - Present**  
**Software Developer and Administrative Manager** *Piracicaba, SP, Brazil*  
Current responsibilities: IT Manager in Brazil; development of several online tools for agronomy; web application development (mobile or desktop); distribution manager of IPNI Brazil newsletter Informações Agrônomicas; information technology management in the webinars of the IPNI Brazil; IT support at local meetings or in travels; responsibility as supervisor of the administrative and financial team, directly supporting our CEO in Brazil with IT and administrative activities; information technology for research projects; in charge of FTP and Lotus Notes server in Brazil; support of presentations involving applications, such as PhotoShop, Corel-Draw, Powerpoint and video features; applied information technology in events, management and coordination of events of IPNI Brazil; maintenance of the IPNI Brazil website; marketing through social media with posts and actions for users' engagement; development of Visual Basic applications to automate routine employee tasks and thereby increase internal productivity.

**Associação Brasileira para Pesquisa da Potassa e do Fósforo (POTAFOS)** **Jan 2000 – Dec 2006**  
**Software Developer and Administrative Manager** *Piracicaba, SP, Brazil*  
Responsibilities: web/client application development; general IT support in Brazil; administrative assistance; application development in Lotus Notes; creation of presentations; events management; maintenance of Potafos website in Brazil; development of Visual Basic applications to automate routine employee tasks and thereby increase internal productivity.

**Associação Brasileira para Pesquisa da Potassa e do Fósforo (POTAFOS)** **Jan 1995 – Dec 1999**  
**Independent Information Technology Consultant** *Piracicaba, SP, Brazil*

**Instituto de Tecnologia de Computação - ITC (Epcot Data Center)** **Mar 1990 – Dec 1999**  
**Computer teacher and internship coordinator** *Piracicaba, SP, Brazil*  
Main responsibilities: teaching computer classes (more than 10,000 students); assistance to students at the DPC (data processing center). Extra activities: production of textbooks on information technology; teacher training and internship coordinator. Development of software for financial control of the school using the Clipper language.

## Training

---

- Training in Web Applications and Mobiles** **Aug 2017**  
*International Plant Nutrition Institute (IPNI USA)* *Atlanta, GA, USA*  
Training aimed at the development mobile/desktop applications using advanced back-end and front-end techniques.
- Event Management Course** **Jan 2014**  
*Paulo Celso de Bruin, Instructor & Lecturer* *São Paulo, SP, Brazil*  
Training and techniques for planning and organization of events, budget management, management and application of information technology for events.
- Training in Lotus Notes Design/Server** **Aug 2010**  
*International Plant Nutrition Institute (IPNI USA)* *Atlanta, GA, USA*  
Improvements to Lotus Notes enterprise platform and development of server resources for application.
- Training in Lotus Notes Client/Design and GIS solutions** **Jan 2004**  
*International Plant Nutrition Institute (IPNI USA) and PAQ Interactive Inc.* *Atlanta, GA, USA*  
Development for enterprise environment and training in GIS by PAQ Interactive, a technology services company specialized in Web and GIS solutions with focus on communication tools.
- Training in Georeferencing in Satellite Images** **Nov 2003**  
*Image Company* *São José dos Campos, SP, Brazil*  
Training in ArcGis/Arcview software for using satellite images and shaping database.
- SAS Software (Statistics)** **Nov 2002**  
*ESALQ - University of São Paulo, "Luiz de Queiroz" (CIAGRI)* *Piracicaba, SP, Brazil*  
Developed skills for operation of the SAS system through programming language for data processing in scientific research.
- Training in ArcGis** **Jan 2001**  
*PAQ Interactive Inc.* *Piracicaba, SP, Brazil*  
Farm data use in the ArcGis software.

## Skills

---

- Languages: English/Portuguese.
- Software Design.
- Software Engineering.
- Project Management.
- Requirements analysis.
- Continuous Integration.
- Lotus Domino (development client and corporate software, responsive mobile/laptops applications).
- IT Tool Management for Webinars.
- JavaScript, jQuery, Bootstrap, HTML, CSS, SQL, JAVA, .NET, Node.js, MySQL and Databases.
- C/C++ languages.
- Development of front-end and back-end applications.
- Advanced knowledge in Visual Basic.
- Shopify/PagSeguro virtual store implementation.
- FTP server.
- VMware virtualization.
- ArcView (data manipulation using satellite and aerial imagery).
- Technology and Management in events.
- Good relationship in teamwork, public speaking and leadership.
- Experience in Information Technology (IT) for Agriculture.
- Statistical software: SAS.
- Knowledge in video manipulation.
- Knowledge in Corel-Draw, PhotoShop, Adobe Package, Office (included VBA).

## Membership in Professional Associations

---

- IT Committee Brazil, Regional Piracicaba.

## Volunteer Experience

---

- **Teacher English Foreign Language**

**Feb 2002 – Dec 2002**

- *E.E. Prof. Dr. João Chiarini (High School)*

*Piracicaba, SP, Brazil*

- I acted as a volunteer English teacher for students who could not afford English classes. Program called "Amigos da Escola"

## Activities

---

*Distribution Manager of IPNI Brazil Newsletter Informações Agrônomicas.* Development of technologies to control distribution of the journal electronically, using internal applications to automatic emailing (Bulk Email) and control of bounce emails, mechanisms to generate LEADS, and tools to keep records updated. The IPNI Brazil Newsletter is distributed quarterly nationwide with technical articles on nutrient management strategies for a variety of crops and soils as well as best management practices of crops. The newsletter is a well-recognized publication in Brazil with over a 100,000 accesses yearly. More information available at: <http://brasil.ipni.net/article/BRS-3191>.

*Agronomic online tools.* Development of several online tools for agronomy, such as the Integrated System of Diagnosis and Recommendation (DRIS), a nutrient budget calculator for various crops and a system for fertilizer and lime recommendation. These tools are used daily by agronomists, universities, extensionists and farmers, and are available at <http://brasil.ipni.net>.

*Applied Information Technology in Events of IPNI Brazil* – Development of fully automated applications connected to the PagSeguro gateway for online payments. Management from registration until the closing of the event. It contains the front-end also developed for mobiles, a tool designed in the Lotus Designer environment using Script language and are available at <http://brasil.ipni.net>.

*Management and Coordination of Events of IPNI Brazil* - Since 2000, coordination of events logistics held by IPNI Brazil in Plant Nutrition. In addition to the primary responsibility of IT, total involvement with the events regarding team leadership, announcements, budgets, speaker support, sponsorships, among others.

*Information Technology Management in the Webinars of the International Plant Nutrition Institute* - Management of the tool webinar providing support to participants, training speakers to use the tool, dissemination of materials and IT support during presentations. More information at: <http://brasil.ipni.net/article/BRS-3176>.

*Responsibility as supervisor of the administrative and financial team, directly supporting our CEO in Brazil with IT and administrative activities.* Monthly report of IPNI Brazil budget control system to IPNI offices in Saskatoon (CA) and Atlanta (USA). Development of several mechanisms in Visual Basic to generate automated reports of incomes and expenses related to IPNI Brazil annual budget.

*Information technology (IT) for research projects.* Direct participation in major research projects, such as *Diagnosing and Mapping the Need for Soil Improvement in Brazil*, which was developed using sophisticated Macros for standardization and filtering data obtained from several laboratories in São Paulo State. Intense IT work to manage thousands of analyses and the maps using ArcView software. More information at: [http://www.ipni.net/PUBLICATION/IA-BRASIL.NSF/0/7435404B0626AFB583258267004576D5/\\$FILE/Page1-8-161.pdf](http://www.ipni.net/PUBLICATION/IA-BRASIL.NSF/0/7435404B0626AFB583258267004576D5/$FILE/Page1-8-161.pdf)

*IT in meetings.* IT support in meetings to many agronomic companies and partners.

### Published articles

---

**Lavorenti, E.L.**, Prochnow, L.I., Cunha, J.F., Jorgetto, L.O., Cantarella, H., Fernandes, D.M. 2018. *Diagnosing and Mapping the Need for Soil Improvement in Brazil* (In Portuguese). *Informações Agronômicas*. 161(Mar): 1-8.

Available at: <http://www.ipni.net/publication/ia-brasil.nsf/issue/IA-BRASIL-2018-161>.

### IT support in published Extension Books

---

Yamada, T., Stipp, S.R.S. Fósforo na Agricultura Brasileira, POTAFOS, 2004. 726p.

Yamada, T., Roberts, T.L. Potássio na Agricultura Brasileira, POTAFOS, 2005. 841p.

Yamada, T., Stipp, S.R.S. and Vitti, G.C. Nitrogênio e Enxofre na Agricultura Brasileira, POTAFOS, 2007. 722p.

Prochnow, L.I., Casarin, V. and Stipp, S.R.S. Boas Práticas para Uso Eficiente de Fertilizantes: contexto mundial e técnicas de suporte, IPNI, 2010 (reprinted in 2014). 462p.

Prochnow, L.I., Casarin, V. and Stipp, S.R.S. Boas Práticas para Uso Eficiente de Fertilizantes: nutrientes, IPNI, 2010 (reprinted in 2014). 362p.

Prochnow, L.I., Casarin, V. and Stipp, S.R.S. Boas Práticas para Uso Eficiente de Fertilizantes: culturas, IPNI, 2010 (reprinted in 2014). 467p.

Van Raij, B. Fertilidade do Solo e Manejo de Nutrientes, IPNI, 2011 (reprinted in 2017). 420p.

### Extension Webinars: IT Tool Management, IT Supporting and Training

---

Caires, E.F. 2018. Calagem em Sistema Plantio Direto de Acordo com o Conceito 4C. Webinar available at: [https://www.youtube.com/watch?v=OfkTzWtD\\_ZM&feature=youtu.be](https://www.youtube.com/watch?v=OfkTzWtD_ZM&feature=youtu.be). Views: 510.

Rodella, A.A. 2018. Requisitos de Qualidade dos Fertilizantes Minerai. Webinar available at: <https://www.youtube.com/watch?v=mC1qbw25SK8>. Views: 366.

Cantarella, H. 2018. Nutrientes para a Vida e Fertilizantes como Base para Segurança Alimentar. Webinar available at: <https://youtu.be/GZRIP6thg7k>. Views: 881.

Norton, R. 2018. Evidence-Based Agriculture. Webinar available at: <https://youtu.be/FhhK81--uPk>. Views: 520.

Francisco, E.A.B. 2018. Intensifying livestock systems for better profits and sustainability. Webinar available at: <https://youtu.be/kR5h4SdqHAY>. Views: 1,311.

Prochnow, L.I. 2018. Aplicação de Fósforo a Lanço em Culturas Anuais na Agricultura Nacional: Posso fazer ou não? Webinar available at: [https://youtu.be/PB2xKxo\\_5DU](https://youtu.be/PB2xKxo_5DU). Views: 2,832.

Martins, A.G. 2017. Calagem em Café: a Lenta Evolução de uma Prática Dogmática. Webinar available at: <https://youtu.be/PpS6010vQpY>. Views: 1,607.

Francisco, E.A.B. 2017. Nutrient management for soybeans in the Brazilian Cerrado. Webinar available at: <https://youtu.be/6YSZUCM0hZg>. Views: 709.

Sentelhas, P.C. 2017. Conceitos de Produtividade Agrícola e “Yield Gap”. Webinar available at: <https://youtu.be/EjZl-B2-zlQ>. Views: 1,741.

- Silvia, R.C. 2017. Avaliação do Modo de Ação de Fertilizantes e Predição do Desempenho Agrônomo e Impacto Ambiental. Webinar available at: <https://youtu.be/Db18vUrb24I>. Views: 1,525.
- Casale, H. 2017. Cafeicultura Sustentável. Webinar available at: <https://youtu.be/nFBjYi4Vav8>. Views: 852.
- Neto, M.R.H. and Ratke, R. 2017. Resultados de Pesquisa em Manejo da Adubação nos Cerrados do Piauí. Webinar available at: <https://youtu.be/nUOFaOXf-4Q>. Views: 1,210.
- Tezotto, T. 2016. Atualidades sobre a Nutrição com Micronutrientes em Café. Webinar available at: <https://youtu.be/27tME0r15QU>. Views: 1,622.
- Prochnow, L.I. 2016. Eficiência Agrônomo de Fertilizantes Fosfatados em Sistemas Agrícolas de Produção com Ênfase em Localização. Webinar available at: <https://youtu.be/JzuwMDrPZgM>. Views: 1,802.
- Prochnow, L.I. 2016. O Uso do Fósforo na Agricultura com Ênfase em Localização. Webinar available at: <https://youtu.be/xvTWefUeIZE>. Views: 7,591.
- Phillips, S. 2016. Precision Agriculture in the USA - Trends and Technologies. Webinar available at: <https://youtu.be/SSyqg5fmqyM>. Views: 1,864.
- Lupatini, G.C. 2015. Como melhorar o pasto para produzir mais @s/ha via adubação? Webinar available at: <https://youtu.be/m3Psv5IWYcU>. Views: 18,965.
- Cakmak, I. 2015. Role of Potassium in Crop Production. Webinar available at: [https://youtu.be/99m\\_PXRE41g](https://youtu.be/99m_PXRE41g). Views: 876.
- Gimenez, L. 2015. Ferramentas da Agricultura de Precisão para Uso Eficiente de Fertilizantes. Webinar available at: <https://youtu.be/GPwJiVRmRvw>. Views: 4,924.
- Lavorenti, E.L.**, Francisco, E.A.B. 2015. Nutrient budget in Brazilian agriculture. Webinar available at: <https://youtu.be/50lRjcnQUhA>. Views: 3,412.
- Frare, I. 2015. Construção do Perfil do Solo para Altas Produtividades. Webinar available at: <https://youtu.be/giJzwBt2-M8>. Views: 35,599.
- Câmara, G.M.S. 2014. FBN em soja: uma excelente prática agrícola e sustentável. Webinar available at: <https://youtu.be/vSvNdoCIQNo>. Views: 1,838.
- Prochnow, L.I. 2014. Pesquisa, Prática e Situação Geopolítica do Uso de Fósforo no Mundo e no Brasil. Webinar available at: <https://youtu.be/cUEVD2sV4zE>. Views: 684.
- Murrell, S. 2014. Interactions between Potassium Management and Soil Mineralogy. Webinar available at: <https://youtu.be/f4VoGnQAwEo>. Views: 1,602.
- Luz, P.H.C, 2014. Otimização na aplicação de fertilizantes e corretivos agrícolas. Webinar available at: [https://youtu.be/\\_FbcdZSbGF0](https://youtu.be/_FbcdZSbGF0). Views: 3,234.
- Resende, A.V. 2013. A adubação fosfatada a longo é prática de manejo sustentável?. Webinar available at: <https://youtu.be/79YNwZ-g5YM>. Views: 27,185.
- Casarin, V. 2012. Conceitos básicos de boas práticas para uso eficiente de fertilizantes. Webinar available at: <https://youtu.be/NGwodHlaj-4>. Views: 8,605.

Francisco, E.A.B. 2012. Soil fertility management current situation in the Cerrado. Webinar available at: <https://youtu.be/gtrjBq80d0I>. Views: 8,639.

### **Events Organization (IT Management, Staff Coordination and Logistics, Sponsorships)**

- *1<sup>st</sup> IPNI Brazil Symposium on Best Management Practices of Fertilizer Use in Intensive Livestock Systems – Global Pecus*, 5/30 and 5/31/2018, Cuiabá, MT, Brazil. Attendance: 234. More information at <http://brasil.ipni.net/article/globalpecus>.
- *IPNI Brazil Symposium on Best Management Practices of Fertilizer Use in Precision Agriculture*, 10/4 to 10/6/2017, Goiânia, GO, Brazil. Attendance: 320. More information at <http://brasil.ipni.net/article/BRS-3496>.
- *IPNI Brazil Symposium on Best Management Practices of Fertilizer Use in Coffee*, 09/27 and 09/28/2016, Poços de Caldas, MG, Brazil. Attendance: 122. More information at <http://brasil.ipni.net/article/BRS-3425>.
- *9<sup>th</sup> IPNI Brazil Regional Symposium on Best Management Practices of Fertilizer Use*, 8/30 and 8/31/2017, Paragominas, PA, Brazil. Attendance: 68. More information at <http://brasil.ipni.net/article/BRS-3424>.
- *IPNI Brazil Regional Symposium on Best Management Practices of Fertilizer Use in Fertigation*, 9/8 to 9/10/2015, Itupeva, SP, Brazil. Attendance: 169. More information at <http://brasil.ipni.net/article/BRS-3363>.
- *8<sup>th</sup> IPNI Brazil Regional Symposium on Best Management Practices of Fertilizer Use*, 5/26 and 5/27/2015, Vilhena, RO, Brazil. Attendance: 145. More information at <http://brasil.ipni.net/article/BRS-3338>.
- *7<sup>th</sup> IPNI Brazil Regional Symposium on Best Management Practices of Fertilizer Use*, 6/19 and 6/20/2014, Araguaina, TO, Brazil. Attendance: 123. More information at <http://brasil.ipni.net/article/BRS-3294>.
- *IPNI Brazil International Symposium on Best Management Practices of Fertilizer Use (IPNI Brazil and IPNI Southern Cone)*, 5/20 and 5/21/2014, Foz do Iguaçu, PR, Brazil. Attendance: 279. More information at <http://brasil.ipni.net/article/BRS-3285>.
- *6<sup>th</sup> IPNI Brazil Regional Symposium on Best Management Practices of Fertilizer Use*, 4/15 and 4/16/2014, Dourados, MS, Brazil. Attendance: 180. More information at <http://brasil.ipni.net/article/BRS-3277>.
- *IPNI Brazil Regional Symposium on Best Management Practices of Fertilizer Use in Citrus*, 10/8 and 10/9/2013, Bebedouro, SP, Brazil. Attendance: 115. More information at <http://brasil.ipni.net/article/BRS-3264>.
- *5<sup>th</sup> IPNI Brazil Regional Symposium on Best Management Practices of Fertilizer Use*, 5/28 and 5/29/2013, Rio Verde, GO, Brazil. Attendance: 275. More information at <http://brasil.ipni.net/article/BRS-3240>.
- *4<sup>th</sup> IPNI Brazil Regional Symposium on Best Management Practices of Fertilizer Use*, 5/7 and 5/8/2013, Santa Maria, SP, Brazil. Attendance: 305. More information at <http://brasil.ipni.net/article/BRS-3236>.
- *3<sup>rd</sup> IPNI Brazil Regional Symposium on Best Management Practices of Fertilizer Use*, 5/15 and 5/16/2012, Luis Eduardo Magalhães, BA, Brazil. Attendance: 220. More information at <http://brasil.ipni.net/article/BRS-3167>.

- *2<sup>nd</sup> IPNI Brazil Regional Symposium on Best Management Practices of Fertilizer Use*, 4/27 and 4/28/2012, Maringá, PR, Brazil. Attendance: 330. More information at <http://brasil.ipni.net/article/BRS-3168>.
- *1<sup>st</sup> IPNI Brazil Regional Symposium on Best Management Practices of Fertilizer Use*, 4/19 and 4/20/2011, Sorriso, MT, Brazil. Attendance: 400. More information at <http://brasil.ipni.net/article/BRS-3169>.
- *IPNI Brazil Symposium on Best Management Practices of Fertilizer Use*, 9/28 to 9/30/2009, Piracicaba, SP, Brazil. Attendance: 260. More information at <http://brasil.ipni.net/article/BRS-3171>.
- *IPNI Brazil Symposium on Problems of Nutrition and Plant Diseases in Modern Agriculture: Threats to Sustainability?* 9/20 and 9/21/2007, Piracicaba, SP, Brazil. Attendance: 230. More information at <http://brasil.ipni.net/article/BRS-3170>.
- *IPNI Brazil Symposium on Recent Information for Optimizing Agricultural Production*. 3/15 and 3/16/2007, Piracicaba, SP, Brazil. Attendance: 263. More information at <http://brasil.ipni.net/article/BRS-3210>.
- *POTAFOS Workshop on Sustainable Management in Agriculture*. 11/23 and 11/24/2006, Piracicaba, SP, Brazil. Attendance: 175. More information at <http://brasil.ipni.net/article/BRS-3211>.
- *POTAFOS Symposium on Relations between Mineral Nutrition and Incidence of Plant Diseases*. 2/28 and 3/01/2005, Piracicaba, SP, Brazil. Attendance: 221. More information at <http://brasil.ipni.net/article/BRS-3217>.
- *POTAFOS Symposium on Potassium in Brazilian Agriculture*. 9/22 to 9/24/2004, São Pedro, SP, Brazil. Attendance: 233. More information at <http://brasil.ipni.net/article/BRS-3219>.
- *POTAFOS Symposium on Sustainable Agricultural System with Maximum Economic Harvest*. 6/30 to 7/2/2004, São Pedro, SP, Brazil. Attendance: 182. More information at <http://brasil.ipni.net/article/BRS-3221>.
- *POTAFOS 4<sup>th</sup> Symposium on Soybean/Maize Rotation in No-tillage*. 7/10 and 7/11/2003, Piracicaba, SP, Brazil. Attendance: 320.
- *POTAFOS Symposium on Phosphorus in Brazilian Agriculture*. 5/14 to 5/16/2003, São Pedro, SP, Brazil. Attendance: 232.
- *POTAFOS 3<sup>rd</sup> Symposium on Soybean/Maize Rotation in No-tillage*. 7/10 to 7/12/2002, Piracicaba, SP, Brazil. Attendance: 297.
- *POTAFOS Workshop on Relations between Mineral Nutrition and Incidence of Plant Diseases*. 5/8 to 5/10/2002, Piracicaba, SP, Brazil. Attendance: 277. More information at <http://brasil.ipni.net/article/BRS-3224>.
- *POTAFOS Symposium on Weed and nutrient management and its effect on yellow leaf syndrome in citrus*. 11/20 and 11/21/2001, Piracicaba, SP, Brazil. Attendance: 156.
- *POTAFOS 2<sup>nd</sup> Symposium on Soybean/Maize Rotation in No-tillage*. 7/11 to 7/13/2001, Piracicaba, SP, Brazil. Attendance: 254.
- *POTAFOS 1<sup>st</sup> Symposium on Soybean/Maize Rotation in No-tillage*. 7/3 to 7/6/2000, Piracicaba, SP, Brazil. Attendance: 232.

- *POTAFOS Symposium on Physiology, Nutrition, Fertilization and Management for Sustainable Citrus Production*. 5/10 to 5/12/2000, Piracicaba, SP, Brazil. Attendance: 138.