Center for Integrated Nanotechnologies



Jointly Operated By: Los Alamos National Laboratory Sandia National Laboratories

Julia M. Phillips Director jmphill@sandia.gov

January 30, 2007

Mtro. Juan Carlos Romero Hicks Director General Consejo Nacional de Ciencia y Tecnología

Dear Mtro. Juan Carlos Romero Hicks:

The Center for Integrated Nanotechnologies (CINT) is a National center for fundamental research in nanoscale science and technology. It is jointly operated as a user facility for the United States Department of Energy's Office of Science by Los Alamos National Laboratory and Sandia National Laboratories. As one of the Department of Energy's Nanoscale Science and Research Centers, CINT is dedicated to developing the scientific principles that govern the performance and integration of nanoscale materials and providing a national resource for training a new generation of researchers in nanoscience and nanotechnology.

We understand that the Centro de Investigacion en Materiales Avanzados (CIMAV) is submitting a proposal to the Consejo Nacional de Ciencia y Tecnología to establish the "Iniciativa Nacional en Nanotecnologia (NANOMEX). This proposal for the formation of Mexico's National Initiative in Nanotechnology is well aligned with the objectives of CINT. We also believe that the impact and effectiveness of CINT's scientists will be enhanced through interactions with leading partner institutions such as CIMAV. Therefore, on behalf of CINT, I am pleased to express strong support for your proposal.

CINT scientists and members of the CIMAV are already exploring collaborative research ideas and preparing proposals for user projects to be performed at CINT. CINT provides access to its scientific staff and unique facilities for nanoscience integration at no cost to approved users via a peer-reviewed, user proposal process. We would expect CINT user proposals from CIMAV to compete favorably for acceptance. If appropriate, proprietary access is also available, subject to the DOE's full-cost recovery formula.

In summary, we are pleased to offer our support to the NANOMEX proposal and strongly believe that this initiative will benefit the technical directions of both organizations. We are also excited about the prospects of deepening the regional ties and expanding economic growth between Mexico and the United States of America through partnerships based on nanotechnology. We look forward to our future collaboration.

NCLT National Center for Learning & Teaching in Nanoscale Science & Engineering

February 21, 2007

Dr. Jesus Gonzalez Director Centro de Investigacion en Materiales Avanzados Miguel de Cervates 120, Complejo Industrial Chihuahu 31109 Chihuahua, Chih, Mexico

Dear Dr. Gonzalez:

We are delighted to learn that the Centro de Investigacion en Materiales Avanzados (CIMAV) is submitting a proposal to the Consejo Nacional de Ciencia y Tecnología to establish the "Iniciativa Nacional en Nanotecnologia (NANOMEX)". This is a very important undertaking by CIMAV to organize a strong network in nanotechnology with the participation of Mexican research centers, universities as well as the private and governmental sectors. It is very timely and very much needed enterprise for the future of your country. As you know other countries around the world have similar investments in nanotechnology and education.

In particular, the National Nanotechnology Initiative (NNI) in the US has an annual budget of nearly US\$1B which supports research, engineering, manufacturing, education and societal concerns. Over the past several years the NNI networks have reached all sectors of the US population. Our center, the National Center for Learning and Teaching in Nanoscience and Engineering (NCLT), was established in October of 2004. Our mission is to build capacity in human resource for the pending economical expansion in nanotechnology in the US and around the world.

We strongly support your NANOMEX initiative, and we believe that under your capable leadership the new network will be a great success. We in the US will be delighted to work with you, and we would want your Network to be part of the Global Nanotechnology Network that is currently reaching all parts of the world.

We wish you all the success in your endeavor. If there is anything you may need our help, please do not hesitate to contact us. We look toward to collaborating with you.

Sincerely yours,

R.P.H. Chang

625 Colfax • Evanston IL • 60208 • 847-467-0994 • nclt@northwestern.edu • www.nclt.us Northwestern Unviersity, Purdue University, University of Michigan, Argonne National Laboratory, Universities of Illinois at Chicago and Urbana Champaign, Fisk University, Hampton University, Morehouse College, University of Texas at El Paso, and Alabama A & M University



February 13, 2007

Mtro. Juan Carlos Romero Hicks Director General Consejo Nacional de Ciencia y Tecnologia

Dear Mtro. Juan Carlos Romero Hicks:

The Molecular Foundry at the Lawrence Berkeley National Laboratory at the University of California is a United States Department of Energy User Facility for the design, synthesis, and characterization of nanostructured materials. As a user facility, we welcome investigators from around the world who wish to make use of our unique instruments and techniques. In addition, our scientific staff welcomes collaborations with scientists of projects of mutual interest. The Foundry maintains six nanoscience facilities: biological nanostructures, inorganic nanostructures, organic and macromolecular synthesis, imaging and manipulation of nanostructures, theory of nanostructures, and nanofabrication.

We understand that the Centro de Investigacion en Materiales Avanzados (CIMAV) is submitting a proposal to the Consejo Nactional de Ciencia y Tecnologia, to establish the "Iniciativa Nacional en Nanotecnologia (NANOMEX). After discussions with Lic. Jorge Armendariz from CIMAV, it is clear that we share common goals and approaches to the study of nanoscience and that there is great potential benefit to collaborations between organizations of this type across international borders. The various nanoscience facilities that have been established in the United States by the Department of Energy have already had a significant impact on nanoscience research across the U.S. and we are confident that the proposed NANOMEX would have a similar impact on research in Mexico. It is a strong program and both our activities should be enhanced through interactions and collaborations.

We thus are pleased to support the proposal from CIMAV and would look forward to interactions on a variety of levels. As a first step, we would welcome a visit by senior staff at CIMAV to our laboratories here in Berkeley.

Regards,

Mark Alper Deputy Director



February 14, 2007

Mtro. Juan Carlos Romero Hicks Director General Consejo Nacional de Ciencia y Tecnología

Dear Mtro. Juan Carlos Romero Hicks:

On behalf of the BNSL, I would like to pledge our support to the Centro de Investigacion en Materiales Avanzados (CIMAV), which is submitting a proposal to the Consejo Nacional de Ciencia y Tecnología to establish the "Iniciativa Nacional en Nanotecnologia (NANOMEX)." This proposal, for the formation of Mexico's National Initiative in Nanotechnology, is well aligned with the mission of the BNSL.

The overall mission of the BNSL is to focus on emerging technologies as tools to create and implement economic development efforts within the border region. The key to successful technology and economic development will be maintaining a truly bi-national focus. One of the transformation-enabling technologies the BNSL is focusing on is Micro/Nano-Electro-Mechanical Systems (M-NEMS). We expect to work closely with CIMAV in exploring and developing collaborative research ideas for projects relevant to the BNSL's efforts in this technological area.

In summary, we are pleased to offer our support to the NANOMEX proposal and strongly believe that this initiative will benefit the technical directions of both organizations. We are also excited about the prospects of deepening the regional ties and expanding economic growth between Mexico and the United States of America through partnerships based on nanotechnology. We look forward to our future collaboration.

Dr. Paul Maxwell Executive Director and CEO The Bi-National Sustainability Laboratory

CHALMERS

Göteborg, February 21, 2007

Mtro. Juan Carlos Romero Hicks Director General Consejo Nacional de Ciencia y Tecnología

Dear Mtro. Juan Carlos Romero Hicks:

Our institution Chalmers University of Technology, Department of Materials and Manufacturing Technology, is dedicated to developing the scientific principles that govern the performance and integration of nanoscale materials and providing a resource for training a new generation of researchers in nanoscience and nanotechnology with particular emphasis on advanced surface chemical and materials characterization. Of particular importance to mention is a unique facility for Auger nanoprobe analysis with multitechnique capabilities and advanced electron microscopy as well as particulate materials competence.

We understand that the Centro de Investigacion en Materiales Avanzados (CIMAV) is submitting a proposal to the Consejo Nacional de Ciencia y Tecnología to establish the "Iniciativa Nacional en Nanotecnologia (NANOMEX)". This proposal for the formation of Mexico's National Initiative in Nanotechnology is well aligned with the worldwide tendencies.

We also believe that the impact and effectiveness of our collaboration between scientists at Chalmers and collaborating scientists from Mexico will be enhanced through interactions with leading partner institutions such as CIMAV. Therefore, on behalf of Chalmers University of Technology, Department of Materials and Manufacturing Technology, I would like to express our strong support for your proposal.

NANOMEX will be integrating all the research centers, universities as well as the private and governmental sectors in a national network with the purpose of strengthening the activities in this area.

In summary, we are pleased to offer our support to the NANOMEX proposal and strongly believe that this initiative will benefit the technical directions of both organizations. We are also excited about the prospects of deepening the regional ties and expanding economic growth between Mexico and Sweden through partnerships based on nanotechnology starting from a previous co-operation project supported by the Swedish Foundation for Internationalisation of Higher Education and Research (STINT) and CONACYT. We therefore look forward to our future collaboration.

SE-412 96 Göteborg

CHALMERS UNIVERSITY OF TECHNOLOGY

Dept. of Materials and Manufacturing Technology

Yours Sincerely, don

Lars Nyborg Sweden Professor Head of Materials and Manufacturing Technology Chalmers University of Technology

Head of Materials and Manufacturing Technology Chalmers University of Technology Professor Lars Nyborg

CHALMERS UNIVERSITY OF TECHNOLOGY Materials and Manufacturing Technology 412 96 Göteborg Visiting address: Hörsalsvägen 7 Phone: 031-772 1257 Fax: 031-772 1313 VAT No: SE 556479-559801 E-post: lars.nyborg@chalmers.se

VICE PRESIDENT FOR RESEARCH

THE UNIVERSITY OF TEXAS AT AUSTIN



Main Building, Room 302 • (512) 471-2877 • FAX (512) 471-2827 P.O. Box 7996 • Austin, Texas 78713-7996

February 15, 2007

Mtro. Juan Carlos Romero Hicks Director General Consejo Nacional de Ciencia y Tecnología Av. Insurgentes Sur 1582, Col. Crédito Constructor Del. Benito Juárez C.P. 03940, México, D.F.

Dear Mtro. Juan Carlos Romero Hicks:

As you are aware, The University of Texas at Austin is one of the leading institutions in nanotechnology research in the USA. We have maintained a strong cooperation with CONACYT centers and particularly with Centro de Investigacion en Materiales Avanzados (CIMAV) through our Center for Nanotechnology and Advanced Materials.

I understand that CIMAV is submitting a proposal to the Consejo Nacional de Ciencia y Tecnología to establish the "Iniciativa Nacional en Nanotecnologia (NANOMEX)". This proposal for the formation of Mexico's National Initiative in Nanotechnology is well aligned with the worldwide tendencies.

I believe this initiative opens a very important opportunity to increase our partnership and cooperation in many aspects of nanotechnology.

In summary, I am pleased to support the NANOMEX proposal and I strongly believe that this initiative will benefit the technical directions of both organizations. The University of Texas at Austin is exited about the prospects of deepening the regional ties and expanding economic growth between Mexico and the United States of America through industrial partnerships based on nanotechnology. I look forward to our future collaboration.

Sincerely,

Juan M. Sanchez Vice President for Research

JMS:bd



Alain E. Kaloyeros, Ph.D. Vice President and Chief Administrative Officer

February 23, 2007

Mtro. Juan Carlos Romero Hicks Director General Consejo Nacional de Ciencia y Tecnología

Dear Mtro. Juan Carlos Romero Hicks:

On behalf of the College of Nanoscale Science and Engineering (CNSE) of the University at Albany-SUNY (UAlbany), I am writing to strongly endorse the application by the Centro De Investigación en Materiales Avanzados, S.C., (CIMAV) of the Consejo Nacional de Ciencia y Tecnologia (CONACYT) for designation as the "Iniciativa Nacional en Nanotecnologia (NANOMEX)."

The UAlbany CNSE is the first college in the world dedicated to research, development, education, and deployment in the emerging disciplines of nanoscience, nanoengineering, nanobioscience, and nanoeconomics. In May 2006, it was ranked as the nation's number one college for nanotechnology and microtechnology in the Annual College Ranking by Small Times magazine. CNSE's Albany NanoTech complex is the most advanced research facility of its kind at any university in the world: a \$3.5 billion, 450,000-square-foot complex that attracts corporate partners from around the world and offers students a one-of-a-kind academic experience. The UAlbany NanoCollege houses the only fully-integrated, 300mm wafer, computer chip pilot prototyping and demonstration line within 65,000 square feet of Class 1 capable Over 1,600 scientists, researchers, engineers, students, and faculty work on site at cleanrooms. CNSE's Albany NanoTech complex, including IBM, AMD, SONY, Toshiba, Qimonda, Honeywell, ASML, Applied Materials, Tokyo Electron, and Freescale. An expansion currently underway will increase the size of the Albany NanoTech complex to over 750,000 square feet, including over 80,000 square feet of Class 1 cleanroom space, to house over 2,000 scientists, researchers, engineers, students, and faculty by the end of 2008.

In 2005, and as part of its mission to perform scientific, technical, and educational exchanges with leading global nanotechnology organizations, the UAlbany CNSE entered into a joint agreement with CIMAV to identify, catalyze, and facilitate development of cross-border educational, technological, and business partnerships. Currently, a number of active educational and research collaborations are ongoing between CIMAV and CNSE faculty and students with focus on innovations in the areas of optoelectronics and nanophotonics, chemical and biological sensors, carbon and molecular nanostructures, nanoparticles as applied to metallurgical processing, and computational simulation and modeling of nanostructures and nanosystems.

By all measures, the partnership between the CNSE and CIMAV has been a complete success. Faculty from both organizations have initiated and are currently executing collaborative research programs that draw on their mutual expertise and strength. A graduate student

exchange initiative is in full bloom, with a group of graduate students from CIMAV being scheduled to arrive at the CNSE before the end of February 2007 to begin a three-month stay that will allow them access to new educational opportunities and participate in joint CNSE/CIMAV research efforts. Procedures have been established to properly fund these collaborative activities and to ensure administrative coordination and oversight of joint programs.

Based on CNSE's extensive experience with international partnerships across the globe, including Canada, Germany, France, and Japan, it is with confidence that I state that CIMAV is a true educational and research gem that is uniquely qualified for designation as the new Mexican Nacional Laboratory in Nanotechnology through its proposal to establish the "Iniciativa Nacional en Nanotecnologia (NANOMEX)." NANOMEX will be integrating all research centers, universities, and private and governmental sectors in Mexico in a national network. As such, CIMAV's superb educational and research track record, its outstanding capabilities for managing and directing an initiative of the magnitude of NANOMEX, and its impressive leadership team will ensure that NANOMEX will be a resounding success.

Therefore, CNSE is pleased to express its strong and enthusiastic support for the CIMAV's proposal and looks forward to supporting and expanding the highly successful CIMAV-CNSE partnership under the NANOMEX umbrella.

Please do not hesitate to call me with any questions. Thank you.

Alain E. Kaloyeros, Ph.D.

ASU Arizona State University

February 14, 2007

Mtro. Juan Carlos Romero Hicks Director General Consejo Nacional de Ciencia y Tecnologia

Dear Mtro. Juan Carlos Romero Hicks:

Arizona State University (ASU) is one of the largest research universities in the U.S. and is fast becoming a world-class force for creativity, discovery and economic development in its pursuit of becoming a New American University. Situated in a state that has the fastest growing economy in the nation, ASU is dedicated to developing the scientific principles that govern the performance and integration of nanoscale materials and providing a national resource for training a new generation of researchers in nanoscience and nanotechnology.

We understand that the Centro de Investigacion en Materiales Avanzados (CIMAV) is submitting a proposal to the Consejo Nacional de Ciencia y Tecnología to establish the "Iniciativa Nacional en Nanotecnologia (NANOMEX)." This proposal for the formation of Mexico's National Initiative in Nanotechnology is well aligned with the objectives of ASU. We believe that the impact and effectiveness of ASU's scientists will be enhanced through interactions with leading partner institutions such as CIMAV. Therefore, on behalf of ASU, I am pleased to express strong support for this proposal.

Members of both ASU and CIMAV are already exploring collaborative research ideas and preparing joint proposals based on these mutual interests. Our institution regards NANOMEX as an opportunity to integrate the efforts of all the research centers and universities, as well as the private and governmental sectors, into a national network with the purpose of aligning such activities to promote a competitive core in this area.

In summary, we are pleased to offer our support to the NANOMEX proposal and strongly believe that this initiative will benefit the technical directions of both organizations. We are also excited about the prospects of deepening the regional ties and expanding economic growth between Mexico and the U.S. through partnerships based on nanotechnology. We look forward to our future collaboration.

Sincerely,

Jorge de los Santos Senior Adviser to the President

OFFICE OF THE PRESIDENT

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UNIVERSITY OF CALIFORNIA, SANTA BARBARA

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CARLOS G. LEVI MATERIALS DEPARTMENT COLLEGE OF ENGINEERING



SANTA BARBARA • SANTA CRUZ

SANTA BARBARA, CALIFORNIA 93106-5050 (805) 893-2381 (805) 893-8486 FAX

22 February 2007

Mtro. Juan Carlos Romero Hicks Director General Consejo Nacional de Ciencia y Tecnología

Dear Director Romero Hicks:

The University of California, Santa Barbara, is the home of the California Nanosystems Institute (CNSI, jointly with UCLA) as well as a number of institutes, centers and departments with world-renowned strengths in core areas of science and engineering and vigorous research programs in nano-science and nano-technology.

It is our understanding that the Centro de Investigacion en Materiales Avanzados (CIMAV) is submitting a proposal to CONACyT to establish a "National Initiative in Nanotechnology (NANOMEX)". After reviewing a preliminary draft of this proposal it is my opinion that the principal investigators have done an excellent job in analyzing worldwide trends in the subject, set up ambitious but essential goals for this effort and identified viable strategies to implement this initiative. The proponents are absolutely correct in stating that Mexico is at a crucial point in its R&D history and cannot afford to miss the opportunity to develop an internationally competitive position in this promising area.

UCSB has been a pioneer in collaborative research that has bridged disciplinary, institutional and international boundaries over the last 20 years. Our NSF-sponsored International Centre for Materials Research (ICMR) is dedicated to promoting international collaborations and I have been asked to coordinate our interactions with Mexico together with Prof. Phillip Pincus, director of our Biomolecular Science and Engineering program. It is in that role that I express our strong support for the CIMAV-led proposal and our desire to develop collaborations with the participating institutions in the areas of common interest. These may include initially nanostructured materials, thin films, catalysts, membranes, biomolecular systems and/or biosurface interactions.

We have found it particularly attractive that NANOMEX intends to integrate all the research centers, universities as well as the private and governmental sectors in a national network with the propose of straighten the activities in this matter. In our experience the most productive and intellectually stimulating research is one where traditional barriers are broken and scientists work in teams. Arguably the more significant benefit is that the students are mentored into the spirit of scientific collaboration, with enormous benefits to their future careers and their societal impact. While barriers and parochial interests are always difficult to overcome, I have been pleased to find the right integrative spirit and drive at the leadership of CIMAV, which bodes well for the future of the proposed national network.

In summary, we are pleased to offer our support to the NANOMEX proposal and strongly believe that this initiative can be mutually beneficial to the institutions involved. We are also enthusiastic about the prospects of deepening the regional ties and expanding economic growth between Mexico and the University of California through partnerships based on nanotechnology. We look forward to the success of NANOMEX and to future collaborations.

Carlos G. Levi Professor of Materials and Mechanical Engineering



Automatic Control & Systems Engineering.

Mtro. Juan Carlos Romero Hicks Director General Consejo Nacional de Ciencia y Tecnología

The

University

Sheffield

Professor P J Fleming FREng Pro Vice-Chancellor for External Relations

Mappin Street Sheffield S1 3JD UK

19 February 2007

Telephone: +44 (0) 114 222 5663 **Fax:** +44 (0) 222 5138 **Email:** fleming_pa@sheffield.ac.uk

Dear Mtro Juan Carlos Romero Hicks

The University of Sheffield places special emphasis on multidisciplinary research and on the use of a multidisciplinary approach to develop the scientific principles that govern the performance and integration of nanoscale materials. To this end, our Nobel Laureate, Professor Sir Harold Kroto, opened the Kroto Research Institute (KRI) on our new North Campus in June 2005. KRI is dedicated to research in nanoscience and nanotechnology and to providing a resource for training a new generation of researchers in nanoscience and nanotechnology.

We understand that the Centro de Investigacion en Materiales Avanzados (CIMAV) is submitting a proposal to the Consejo Nacional de Ciencia y Tecnología to establish the "Iniciativa Nacional en Nanotecnologia (NANOMEX)". This proposal is for the formation of Mexico's National Initiative in Nanotechnology and is well aligned with the research interests of The University of Sheffield, its partners in the Worldwide Universities Network (WUN) and, in general, with international research in nanotechnology.

We believe that the impact and effectiveness of our collaboration between our scientists at The University of Sheffield and collaborating scientists from Mexico will be further enhanced through interactions with leading partner institutions such as CIMAV. Therefore, on behalf of The University of Sheffield, I am pleased to express our very strong support for this proposal.

NANOMEX will be integrating all the research centres, universities as well as the private and governmental sectors in a national network with the purpose of coordinating and focusing research in nanotechnology.

In summary, we are pleased to offer our support to the NANOMEX proposal and strongly believe that this initiative will benefit the technical directions of both organizations. We are also excited about the prospects of strengthening the strong research ties between Mexico and the United Kingdom through partnerships based on nanotechnology. We look forward to our future collaboration.

Yours sincerely

Professor Peter Fleming FREng Pro Vice-Chancellor for External Relations

Faculté des Sciences

ENSCI





Limoges, February 19th, 2007

Dr. Jesus Gonzalez Hernandez CIMAV Director Av. Miguel de Cervantes No. 120 Complejo Industrial Chihuahua Chihuahua, Chih México 31109

Dear Dr. Gonzalez Hernandez,

On behalf of the Laboratory SPCTS-CNRS Limoges (France), I am pleased to express our support for your Nanotechnology development project in Mexico (Iniciativa Nacional en Nanotechnologia).

We encourage you in this project that supports education and research in one present critical domain that represents nanotechnologies. The developments in this domain have the potential to create an exciting and long-lasting synergy with our research activities, for instance with the exchange of students (PhD, post-doc ...), and to create mutually beneficial research.

Should your project receive a favorable review, we look forward to collaborate with you to further nanoscience and technology.

Thierry CHARTIER CNRS Research Director Assistant Director of SPCTS Science of Ceramic Processes and of Surface Treatment Processes



Monterrey N.L., 28 de septiembre de 2006

Dr. Jesús González Director General del CIMAV P r e s e n t e.-

Nos hemos enterado que el Consejo Nacional de Ciencia y Tecnología (CONACYT) emitió recientemente una convocatoria dirigida a la presentación de ideas y propuestas para la realización de megaproyectos de investigación científica o tecnológica en la cual podrán participar distintos grupos y centros de investigación de nuestro país.

Los temas considerados incluyen las áreas de materiales y nanotecnología, mismas que son de gran relevancia en el desarrollo económico para el País y que a su vez, son de gran interés para nuestra Empresa en la tarea de aportar a la competitividad de la misma y de la Industria Nacional.

Debido a la satisfactoria relación que hemos establecido con respecto al Consorcio XIGNUX- CONACYT en el cual hemos desarrollado en conjunto un buen número de proyectos de investigación que han arrojado resultados aplicables en nuestros productos y procesos, consideramos muy importante que el CIMAV, institución que Usted atinadamente dirige, participe de forma protagónica en la mencionada convocatoria en las áreas de su competencia, y que de esta forma mantenga su liderazgo científico y tecnológico desarrollando y creando conocimiento en beneficio del crecimiento y la competitividad de México ante el entorno Global.

Es reconocido en el ambiente de la Innovación e Investigación y Tecnológica que el CIMAV, Centro de Investigación en Materiales Avanzados, S.C. es una institución del Sistema de Centros Públicos CONACYT que siempre ha tenido una participación muy importante y relevante en la generación de conocimiento y en el apoyo al desarrollo industrial de nuestro País.

Agradeciendo de antemano su atención, aprovecho para enviarle un saludo afectuoso.

Ing. Alfonso M. Delgado Cruz Gerente de Tecnología Prolec GE S. de R.L. de C.V.



Lerma, Edo. de México, a 08 de Agosto de 2006.

Dr. Gustavo Chapela C. Dir. Gral CONACyT

Estimado Dr. Chapela

Por esta vía le manifiesto nuestro interés institucional para participar en la propuesta de megaproyecto con nombre "Iniciativa Nacional en Nanotecnología, NANOMEX", la cual será sometida para su evaluación en el marco de la reciente convocatoria emitida por el CONACyT.

En esta propuesta están participando diversas instituciones de educación superior y centros públicos de investigación que realizan investigación básica y/o aplicada en el campo de la nanociencia/nanotecnología con el fin de integrar esfuerzos de colaboración.

Los temas propuestos en este megaproyecto son de gran relevancia para el desarrollo económico del país y de gran interés para nuestra empresa.

Nuestra empresa ha tenido ya algunas actividades de colaboración con varias instituciones académicas del país de las cuales han surgido un buen número de proyectos de investigación que han servido de apoyo para la mejora de algunos de nuestros productos y procesos.

Consideramos importante el apoyo a este tipo de iniciativas ya que impactan positivamente en el desarrollo de una tecnología propia, razón por la cual vemos con agrado este tipo de esfuerzos que aceleran la generación de conocimiento científico y tecnológico en beneficio de crecimiento y la competitividad de México ante el entorno global.

Aprovecho la ocasión para enviarle un cordial saludo y quedo de usted.

Atte.

Dr. Leopoldo Vilchis Ramírez Gerente Técnico



CID Centro de Investigación y Desarrollo Tecnológico S.A. de C.V. Av. Sauces 87 M6. Parque Ind. Lerma, Lerma, Estado de México.. 52000. MEXICO. Tell. (728)2852866 Fax (728)2852899

FISO-33



CENTRO DE INVESTIGACION Y DESARADLO CID

Monterrey, N.L. 28 de Septiembre de 2006

Dr. Gustavo Chapela Castañares Director General CONACYT Insurgentes Sur 1582 Col. Crédito Constructor 03940 México, D.F.

Estimado Dr. Chapela:

Por este conducto le manifiesto mi simpatía a la propuesta de Megaproyecto, sometido por varias instituciones Nacionales con titulo "Iniciativa Nacional en Nanotecnología" (NANOMEX), ésta en respuesta a la reciente convocatoria del CONACyT en esta materia.

La propuesta está siendo liderada por el Centro de Investigación en Materiales Avanzados, S. C., en Chihuahua.

En la empresa PEÑOLES hemos realizado, con el apoyo de algunas instituciones académicas, varios proyectos aplicando conceptos de nanotecnología.

Atentamente. Ing. Ricardo Benakides Pérez Subdirector de Tecnología cop Ing. Manuel Ludvanos Ing. Arturo Vaca

PROFR ANTONIO COELLO E # 310 NTE COL. OBRERA, C.P. 84010 MONTERREY, N.L., MEXICO, APDO. POSTAL 251

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Ciudad. Juárez, Chihuahua a 28 de Septiembre de 2006.

Johnson Controls Inc. Systems Products Organization 1320-C Goodyear El Paso, Tx. 79936 Ph. (915) 629-6000 Fax (915) 629-6080

Controles de Presión de Cd. Juárez S.A. de C.V. Ave. El Cid #2040 Esq. con Magneto Parque Industrial Fernández C.P. 32649 Cd. Juárez Chih., México Tel. (656) 639-8400 Fax. (656) 639-8401

Dr. Gustavo Chapela Castañares Director General del CONACYT P r e s e n t e.-

Por medio de la presente a nombre de Controles de Presión de Ciudad Juárez S.A. de C.V., me permito saludarle y hacerle llegar la presente recomendación como evidencia de los profesionales tratos hechos durante años con el Centro de Investigación en Materiales Avanzados, S.C. (CIMAV)

El CIMAV es una institución que ha participado con nosotros consistentemente en proyectos de desarrollo de materiales y procesos de fabricación y que además de haber demostrado un amplio dominio de la ciencia, algo que particularmente admiramos es la buena actitud de todos sus representantes y la mente siempre abierta para formar alianzas ganar-ganar. Por todo lo anterior consideramos que CIMAV debe participar en la convocatoria que CONACYT ha emitido para la presentación de ideas para la realización de megaproyectos de investigación científica o tecnológica, en el área de materiales y nanotecnología, esto con el fin de beneficiar el desarrollo industrial no sólo de nuestra entidad sino de todo el país.

Sin más por el momento, queda de usted.

Ing. Carlos R. Cuellar G. Gerente de Ingeniería Controles de Presión de Cd. Juárez S.A. de C.V.



Av. Conductores 505 San Nicolás de los Garza, NL C.P. 66493 MEXICO

Dr. Gustavo Chapela Castañares Director General del CONACYT P r e s e n t e.-

El Centro de Investigación en Materiales Avanzados, S.C. es una institución del Sistema de Centros Públicos CONACYT que desde su creación, ha tenido una participación cada vez más relevante en la generación de conocimiento y en el apoyo al desarrollo industrial de nuestro País.

Sabemos que el Consejo que usted dignamente dirige, ha emitido recientemente una convocatoria dirigida a la presentación de ideas para la realización de megaproyectos de investigación científica o tecnológica en la cual podrán participar distintos grupos y centros de investigación de nuestro país. Dentro de los temas contemplados se incluyen las áreas de materiales y nanotecnología, mismas que son de gran relevancia en el desarrollo económico y que a su vez, constituyen el núcleo de las actividades sustantivas del CIMAV.

Consideramos muy importante que este centro de investigación participe con un papel protagónico en las áreas de su competencia dentro de la citada convocatoria, con el objeto de mantener su liderazgo científico y tecnológico en beneficio del crecimiento de México.

Agradeciendo de antemano sus atenciones, aprovecho para enviarle un cordial saludo.

Dr. Sergio A. Montes Valdez Gerente de Ingeniería de Materiales Dirección de Tecnología y Desarrollo Viakable



Chihuahua, Chih. a 26 de Septiembre, 2006 REF. PE-321/06

Dr. Gustavo Chapela Castañares Director General de CONACYT Presente.-

Con referencia a la convocatoria que ha emitido el consejo que usted dirige relacionada con la presentación de ideas para el desarrollo de megaproyectos de Investigación Científica o Tecnológica, en la que podrán participar grupos o centros de investigación de nuestro país y debido a que dentro de los temas que se contemplan incluyen las áreas de materiales y nanotecnología, esta empresa propone que el Centro de Investigaciones en Materiales Avanzados, S.C. (CIMAV), Institución del Sistema de Centros Públicos CONACYT participe lidereando las áreas antes citadas.

La razón de la prospuesta es que el CIMAV desde su creación, ha tenido una participación activa y muy relevante en la generación de conocimiento y desarrollo industrial de nuestra región y del País.

Agradeciendo de antemano la atención que se brinde prestar a esta recomendación, me pongo a sus órdenes.

Atentamente,

Grupo Cementos de Chihuahua, S.A. de C. V.

ING. PEDRO BURCIAGA MELENDEZ Director de Gestión Tecnológica

GCC Cemento, S.A de C.V. Proyectos Especiales Av. de las Industrias #6900 Chihuahua, Chih., México C.P. 31110 Conm. (614) 442-31-00, Fax: (614) 442-31-41 Directo (614) 442-31-23

Una empresa de:

Septiembre 30 de 2006

Dr. Gustavo Chapela Castañares Director General del CONACYT P r e s e n t e.-

Estimado Dr. Chapela:

Sabemos que el Consejo que usted dignamente dirige, ha emitido recientemente una convocatoria dirigida a la presentación de ideas para la realización de megaproyectos de investigación científica o tecnológica en la cual podrán participar distintos grupos y centros de investigación de nuestro país. Dentro de los temas contemplados se incluyen las áreas de materiales y nanotecnología, mismas que son de gran relevancia en el desarrollo económico.

El Centro de Investigación en Materiales Avanzados, S.C. es una institución del Sistema de Centros Públicos CONACYT que desde su creación, ha tenido una participación cada vez más relevante en la generación de conocimiento y en el apoyo al desarrollo industrial de nuestro País.

Consideramos muy importante recomendar que este centro de investigación participe con un papel protagónico en las áreas de su competencia dentro de la citada convocatoria, con el objeto de mantener su liderazgo científico y tecnológico en beneficio del crecimiento de México.

Agradeciendo de antemano sus atenciones, aprovecho para enviarle un cordial saludo.

mabe

Atentemente

Ing. Francisco Antón Gabelich Gerente de Investigación y Desarrollo



México, D. F., a 19 de enero de 2007.

Para: Dr. Rogerio R. Sotelo Rubio Investigador Titular "C" Coordinador del Nodo de BioNanoTecnología. CIAD.

Asunto: Carta Invitación Proyecto Nanotubos

Estimado Dr. Sotelo:

Por medio de la presente quiero agradecer de anternano la invitación que hacen a nuestra empresa para participar en la propuesta NANOMEX de megaproyectos de investigación promovida por el Consejo Nacional de Ciencia y Tecnología, en donde la temática central es la nanotecnología como soporte para la elaboración de adyuvantes en el desarrollo de vacunas para uso veterinario. La propuesta del proyecto es sumamente interesante y ambiciosa.

Luego de evaluar la propuesta hemos tomado la decisión de participar con ustedes en el proyecto; es decir, si ustedes logran desarrollar un producto o productos de comprobada eficacia para el beneficio de la industria pecuaria nacional, nosotros estariamos en las condiciones de evaluar estos productos de manera comercial y llegado el momento y si los resultados son satisfactorios y seguros, comercializarlos.

Por tal motivo pueden contar con nuestro apoyo en el proyecto y les solicitamos que seamos tomados como primera opción para la comercialización del producto o productos una vez que sus pruebas hayan denotado eficacia satisfactoria.

Sin más por el momento y en espera de que el proyecto marche de forma adecuada, quedo de usted.

Atentamente

MVZ, MSc, PhD, Armandó Antillón Rianda. Director Científico. Laboratorio Avi-Mex, S. A. de C. V.

c.c.p. Dr. Bernardo Lozano Dubernard. Director General Archivo.

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