Immigrant Petition for Alien Worker
for the Alien with Exceptional Ability in Science (EB2-NIW)

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e-Notification of Application/Petition Acceptance

Department of Homeland Security
U.S. Citizenship and Immigration Services

USCIS
Form G-1145

What Is the Purpose of This Form?

Use this form to request an electronic notification (e-Notification) when U.S. Citizenship and Immigration Services accepts your immigration application. This service is available for applications filed at a USCIS Lockbox facility.

General Information

Complete the information below and clip this form to the first page of your application package. You will receive one e-mail and/or text message for each form you are filing.

We will send the e-Notification within 24 hours after we accept your application. Domestic customers will receive an e-mail and/or text message; overseas customers will only receive an e-mail. Undeliverable e-Notifications cannot be resent.

The e-mail or text message will display your receipt number and tell you how to get updated case status information. It will not include any personal information. The e-Notification does not grant any type of status or benefit; rather it is provided as a convenience to customers.

USCIS will also mail you a receipt notice (I-797C), which you will receive within 10 days after your application has been accepted; use this notice as proof of your pending application or petition.

USCIS Privacy Act Statement

AUTHORITIES: The information requested on this form is collected pursuant to section 103(a) of the Immigration and Nationality Act, as amended INA section 101, et seq.

PURPOSE: The primary purpose for providing the information on this form is to request an electronic notification when USCIS accepts immigration form. The information you provide will be used to send you a text and/or email message.

DISCLOSURE: The information you provide is voluntary. However, failure to provide the requested information may prevent USCIS from providing you a text and/or email message receipting your immigration form.

ROUTINE USES: The information provided on this form will be used by and disclosed to DHS personnel and contractors in accordance with approved routine uses, as described in the associated published system of records notices [**DHS/USCIS-007 - Benefits Information System and DHS/USCIS-001 - Alien File (A-File) and Central Index System (CIS)**, which can be found at **www.dhs.gov/privacy**]. The information may also be made available, as appropriate for law enforcement purposes or in the interest of national security.

Complete this form and clip it on top of the first page of your immigration form(s).

Applicant/Petitioner Full Last Name	Applicant/Petitioner Full First Name	Applicant/Petitioner Full Middle Name
Doe	**John**	

Email Address	Mobile Phone Number (Text Message)
johndoe@gmail.com	**+1 999 99 9999**

Immigrant Petition for Alien Workers

Department of Homeland Security
U.S. Citizenship and Immigration Services

USCIS Form I-140
OMB No. 1615-0015
Expires 03/31/2024

For USCIS Use Only	Fee Stamp	Priority Date	Consulate	Action Block

Classification

- ☐ 203(b)(1)(A) Alien of Extraordinary Ability
- ☐ 203(b)(1)(B) Outstanding Professor or Researcher
- ☐ 203(b)(1)(C) Multinational Executive or Manager
- ☐ 203(b)(2) Member of Professions with Advanced Degree/Exceptional Ability
- ☐ 203(b)(3)(A)(i) Skilled Worker
- ☐ 203(b)(3)(A)(ii) Professional
- ☐ 203(b)(3)(A)(iii) Other Worker

Certification

- ☐ National Interest Waiver (NIW)
- ☐ Schedule A, Group I
- ☐ Schedule A, Group II

Remarks

To be completed by an Attorney or Accredited Representative (if any).	☐ Select this box if Form G-28 or Form G-28I is attached.	Attorney State Bar Number (if applicable)	Attorney or Accredited Representative USCIS Online Account Number (if any)

► **START HERE - Type or print in black ink.**

Part 1. Information About the Person or Organization Filing This Petition

If an individual is filing this petition, answer **Item Numbers 1.a. - 1.c.** If a company or organization is filing this petition, answer **Item Number 2.**

1.a. Family Name (Last Name): Doe

1.b. Given Name (First Name): John

1.c. Middle Name:

2. Company or Organization Name:

Mailing Address

(USPS ZIP Code Lookup)

3.a. In Care Of Name:

3.b. Street Number and Name: 999 99th st

3.c. ☐ Apt. ☐ Ste. ☐ Flr.

3.d. City or Town: Default City

3.e. State: FL **3.f.** ZIP Code: 99999

3.g. Province:

3.h. Postal Code:

3.i. Country: USA

Other Information

4. IRS Employer Identification Number (EIN) ►

5. U.S. Social Security Number (SSN) (if any) ► 9 9 9 9 9 9 9 9 9

6. USCIS Online Account Number (if any) ► 9 9 9 9 9 9 9 9 9 9 9 9

Part 2. Petition Type

This petition is being filed for (select **only one** box):

- **1.a.** ☐ An alien of extraordinary ability.
- **1.b.** ☐ An outstanding professor or researcher.
- **1.c.** ☐ A multinational executive or manager.
- **1.d.** ☐ A member of the professions holding an advanced degree or an alien of exceptional ability (who is **NOT** seeking a National Interest Waiver (NIW)).
- **1.e.** ☐ A professional (at a minimum, possessing a bachelor's degree or a foreign degree equivalent to a U.S. bachelor's degree).
- **1.f.** ☐ A skilled worker (requiring at least two years of specialized training or experience).
- **1.g.** ☐ Any other worker (requiring less than two years of training or experience).
- **1.h.** ☒ An alien applying for an NIW (who **IS** a member of the professions holding an advanced degree or an alien of exceptional ability).

Part 2. Petition Type (continued)

This petition is being filed (select **only one** box):

2.a. ☐ To amend a previously filed petition.

Previous Petition Receipt Number

►

2.b. ☐ For the Schedule A, Group I or II designation.

Part 3. Information About the Person for Whom You Are Filing

1.a. Family Name (Last Name): Doe

1.b. Given Name (First Name): John

1.c. Middle Name:

Mailing Address

2.a. In Care Of Name:

2.b. Street Number and Name: 999 99th st

2.c. ☐ Apt. ☐ Ste. ☐ Flr.

2.d. City or Town: Default City

2.e. State: FL **2.f.** ZIP Code: 99999

2.g. Province:

2.h. Postal Code:

2.i. Country: USA

Other Information

3. Date of Birth (mm/dd/yyyy): 01/01/1900

4. City/Town/Village of Birth: Town

5. State or Province of Birth: Province

6. Country of Birth: Fatherland

7. Country of Citizenship or Nationality: Fatherland

8. Alien Registration Number (A-Number) (if any)

► A- 9 9 9 9 9 9 9 9 9

9. U.S. SSN (if any) ► 9 9 9 9 9 9 9 9 9

Information About His or Her Last Arrival in the United States

If the person for whom you are filing is in the United States, provide the following information.

10. Date of Last Arrival (mm/dd/yyyy): 01/01/2020

11.a. Form I-94 Arrival-Departure Record Number

► 9 9 9 9 9 9 9 9 9 9 9

11.b. Expiration Date of Authorized Stay Shown on Form I-94 (mm/dd/yyyy):

11.c. Status on Form I-94 (for example, class of admission, or paroled, if paroled): F-1

12. Passport Number: AA999999

13. Travel Document Number: AA999999

14. Country of Issuance for Passport or Travel Document: Fatherland

15. Expiration Date for Passport or Travel Document (mm/dd/yyyy): 01/01/2060

Part 4. Processing Information

Provide the following information for the person named in **Part 3.** (select **only one** box):

1.a. ☐ Alien will apply for a visa abroad at a U.S. Embassy or U.S. Consulate at:

1.b. City or Town:

1.c. Country:

2.a. ☒ Alien is in the United States and will apply for adjustment of status to that of lawful permanent resident.

Part 4. Processing Information (continued)

2.b. Alien's current country of residence or, if now in the United States, last country of permanent residence abroad.

Fatherland

If you provided a United States address in **Part 3.**, provide the person's foreign address in **Item Numbers 3.a. - 3.f.**:

3.a. Street Number and Name: 1 Fathers st.

3.b. ☒ Apt. ☐ Ste. ☐ Flr. 1

3.c. City or Town: Town

3.d. Province: Province

3.e. Postal Code: 99999

3.f. Country: Fatherland

If the person's native alphabet is other than Roman letters, type or print the person's foreign name and address in the native alphabet in **Item Numbers 4.a. - 4.c.**:

4.a. Family Name (Last Name): XXXX

4.b. Given Name (First Name): XXXX

4.c. Middle Name:

Mailing Address

5.a. In Care Of Name:

5.b. Street Number and Name: 999 99th st

5.c. ☐ Apt. ☐ Ste. ☐ Flr.

5.d. City or Town: Default City

5.e. Province: Florida

5.f. Postal Code: 99999

5.g. Country: United States

If you answer "Yes" to **Item Numbers 6.a. - 10.**, provide the case number, office location, date of decision, and disposition of the decision in the space provided in **Part 11. Additional Information**.

6.a. Are you filing any other petitions or applications with this Form I-140? ☐ Yes ☒ No

6.b. If you answered "Yes" **to Item Number 6.a.**, select all applicable boxes:

- ☐ Form I-485
- ☐ Form I-131
- ☐ Form I-765
- ☐ Other (Provide an explanation in **Part 11. Additional Information**.)

7. Is the person for whom you are filing in removal proceedings? ☐ Yes ☒ No

8. Has any immigrant visa petition ever been filed by or on behalf of this person? ☐ Yes ☒ No

9. Are you filing this petition without an original labor certification because the original labor certification was previously submitted in support of another Form I-140? ☐ Yes ☒ No

10. If you are filing this petition without an original labor certification, are you requesting that U.S. Citizenship and Immigration Services (USCIS) request a duplicate labor certification from the Department of Labor (DOL)? ☐ Yes ☒ No

Part 5. Additional Information About the Petitioner

Type of petitioner (select **only one** box):

1.a. ☐ Employer

1.b. ☒ Self

1.c. ☐ Other (For example, Lawful Permanent Resident, U.S. citizen or any other person filing on behalf of the alien)

If a company or an organization is filing this petition, provide the following information:

2. Type of Business

3. Date Established (mm/dd/yyyy)

4. Current Number of U.S. Employees

5. Gross Annual Income $

6. Net Annual Income $

7. NAICS Code ►

8. Labor Certification DOL Case Number

Part 5. Additional Information About the Petitioner (continued)

9. Labor Certification DOL Filing Date (mm/dd/yyyy)

10. Labor Certification Expiration Date (mm/dd/yyyy)

If an individual is filing this petition, provide the following information.

11. Occupation

Research Scientist

12. Annual Income $ XX,XXX

Part 6. Basic Information About the Proposed Employment

1. Job Title

Assistant Professor

2. SOC Code ▶ 15-1221

3. Nontechnical Job Description

Conduct research and teach courses on Artificial Intelligence and Electrical Engineering

4. Is this a full-time position? ☒ Yes ☐ No

5. If the answer to **Item Number 4.** is "No," how many hours per week for the position?

6. Is this a permanent position? ☒ Yes ☐ No

7. Is this a new position? ☒ Yes ☐ No

8. Wages (Specify hour, week, month, or year):

$ XX,XXX.00 per year

Worksite Location

For **Item Numbers 9.a. - 9.e.**, provide the address where the person will work if different from the address provided in **Part 1.**

9.a. Street Number and Name: 999 University Ave

9.b. ☐ Apt. ☐ Ste. ☐ Flr.

9.c. City or Town: Anycity

9.d. State: FL **9.e.** ZIP Code: 99999

Part 7. Information About the Spouse and All Children of the Person for Whom You Are Filing

For **Part 7.**, provide information on the spouse and all children related to the individual for whom you are filing this petition. Also, note if the individual will apply for a visa abroad or adjustment of status as the dependent of the individual for whom the petition is filed. If you need extra space to provide information about additional family members, use the space provided in **Part 11. Additional Information**.

Person 1

1.a. Family Name (Last Name)

1.b. Given Name (First Name)

1.c. Middle Name

2. Date of Birth (mm/dd/yyyy)

3. Country of Birth

4. Relationship

5. Is he or she applying for adjustment of status? ☐ Yes ☐ No

6. Is he or she applying for a visa abroad? ☐ Yes ☐ No

Person 2

7.a. Family Name (Last Name)

7.b. Given Name (First Name)

7.c. Middle Name

8. Date of Birth (mm/dd/yyyy)

9. Country of Birth

10. Relationship

11. Is he or she applying for adjustment of status? ☐ Yes ☐ No

12. Is he or she applying for a visa abroad? ☐ Yes ☐ No

Part 7. Information About Spouse and All Children of the Person for Whom You Are Filing (continued)

Person 3

13.a. Family Name (Last Name)

13.b. Given Name (First Name)

13.c. Middle Name

14. Date of Birth (mm/dd/yyyy)

15. Country of Birth

16. Relationship

17. Is he or she applying for adjustment of status? ☐ Yes ☐ No

18. Is he or she applying for a visa abroad? ☐ Yes ☐ No

Person 4

19.a. Family Name (Last Name)

19.b. Given Name (First Name)

19.c. Middle Name

20. Date of Birth (mm/dd/yyyy)

21. Country of Birth

22. Relationship

23. Is he or she applying for adjustment of status? ☐ Yes ☐ No

24. Is he or she applying for a visa abroad? ☐ Yes ☐ No

Person 5

25.a. Family Name (Last Name)

25.b. Given Name (First Name)

25.c. Middle Name

26. Date of Birth (mm/dd/yyyy)

27. Country of Birth

28. Relationship

29. Is he or she applying for adjustment of status? ☐ Yes ☐ No

30. Is he or she applying for a visa abroad? ☐ Yes ☐ No

Person 6

31.a. Family Name (Last Name)

31.b. Given Name (First Name)

31.c. Middle Name

32. Date of Birth (mm/dd/yyyy)

33. Country of Birth

34. Relationship

35. Is he or she applying for adjustment of status? ☐ Yes ☐ No

36. Is he or she applying for a visa abroad? ☐ Yes ☐ No

Part 8. Statement, Contact Information, Declaration, Certification, and Signature of the Petitioner or Authorized Signatory and Signature

NOTE: Read the **Penalties** section of the Form I-140 Instructions before completing this part.

Petitioner's or Authorized Signatory's Statement

NOTE: Select the box for either **Item Number 1.a.** or **1.b.** If applicable, select the box for **Item Number 2.**

1.a. ☒ I can read and understand English, and I have read and understand every question and instruction on this petition and my answer to every question.

1.b. ☐ The interpreter named in **Part 9.** has read to me every question and instruction on this petition and my answer to every question in _____, a language in which I am fluent. I understood all of this information as interpreted.

2. ☐ At my request, the preparer named in **Part 10.**, _____, prepared this petition for me based only upon information I provided or authorized.

Authorized Signatory's Contact Information

3.a. Authorized Signatory's Family Name (Last Name)

3.b. Authorized Signatory's Given Name (First Name)

4. Authorized Signatory's Title

5. Authorized Signatory's Daytime Telephone Number

6. Authorized Signatory's Mobile Telephone Number (if any)

7. Authorized Signatory's Email Address (if any)

Petitioner's or Authorized Signatory's Declaration and Certification

Copies of any documents submitted are exact photocopies of unaltered, original documents, and I understand that, as the petitioner, I may be required to submit original documents to USCIS at a later date.

I authorize the release of any information from my records, or from the petitioning organization's records, to USCIS or other entities and persons where necessary to determine eligibility for the immigration benefit sought or where authorized by law. I recognize the authority of USCIS to conduct audits of this petition using publicly available open source information. I also recognize that any supporting evidence submitted in support of this petition may be verified by USCIS through any means determined appropriate by USCIS, including but not limited to, on-site compliance reviews.

If filing this petition on behalf of an organization, I certify that I am authorized to do so by the organization.

I certify, under penalty of perjury, that I have reviewed this petition, I understand all of the information contained in, and submitted with, my petition, and all of this information is complete, true, and correct.

Petitioner's or Authorized Signatory's Signature

8.a. Petitioner's Signature

8.b. Date of Signature (mm/dd/yyyy) 05/20/2023

NOTE TO ALL PETITIONERS AND AUTHORIZED SIGNATORIES: If you do not completely fill out this petition or fail to submit required documents listed in the Instructions, USCIS may delay a decision on or deny your petition.

Part 9. Interpreter's Contact Information, Certification, and Signature

Provide the following information about the interpreter.

Interpreter's Full Name

1.a. Interpreter's Family Name (Last Name)

1.b. Interpreter's Given Name (First Name)

2. Interpreter's Business or Organization Name (if any)

Part 9. Interpreter's Contact Information, Certification, and Signature (continued)

Interpreter's Mailing Address

3.a. Street Number and Name

3.b. ☐ Apt. ☐ Ste. ☐ Flr.

3.c. City or Town

3.d. State **3.e.** ZIP Code

3.f. Province

3.g. Postal Code

3.h. Country

Interpreter's Contact Information

4. Interpreter's Daytime Telephone Number

5. Interpreter's Mobile Telephone Number

6. Interpreter's Email Address (if any)

Interpreter's Certification

I certify, under penalty of perjury, that:

I am fluent in English and ____, which is the same language specified in **Part 8.**, **Item Number 1.b.**, and I have read to this petitioner or the authorized signatory in the identified language every question and instruction on this petition and his or her answer to every question. The petitioner or authorized signatory informed me that he or she understands every instruction, question, and answer on the petition, including the **Petitioner's or Authorized Signatory's Declaration and Certification**, and has verified the accuracy of every answer.

Interpreter's Signature

7.a. Interpreter's Signature

7.b. Date of Signature (mm/dd/yyyy)

Part 10. Contact Information, Declaration, and Signature of the Person Preparing this Petition, if Other Than the Authorized Individual

Provide the following information about the preparer.

Preparer's Full Name

1.a. Preparer's Family Name (Last Name)

1.b. Preparer's Given Name (First Name)

2. Preparer's Business or Organization (if any)

Preparer's Mailing Address

3.a. Street Number and Name

3.b. ☐ Apt. ☐ Ste. ☐ Flr.

3.c. City or Town

3.d. State **3.e.** ZIP Code

3.f. Province

3.g. Postal Code

3.h. Country

Preparer's Contact Information

4. Preparer's Daytime Telephone Number

5. Preparer's Mobile Telephone Number (if any)

6. Preparer's Email Address (if any)

Part 10. Contact Information, Declaration, and Signature of the Person Preparing this Petition, if Other Than the Authorized Individual (continued)

Preparer's Statement

7.a. ☐ I am not an attorney or accredited representative but have prepared this petition on behalf of the petitioner and with the petitioner's consent.

7.b. ☐ I am an attorney or accredited representative and my representation of the petitioner in this case ☐ extends ☐ does not extend beyond the preparation of this application.

NOTE: If you are an attorney or accredited representative, you may need to submit a completed Form G-28, Notice of Entry of Appearance as Attorney or Accredited Representative, or Form G-28I, Notice of Entry of Appearance as Attorney In Matters Outside the Geographical Confines of the United States, with this petition.

Preparer's Certification

By my signature, I certify, under penalty of perjury, that I prepared this petition at the request of the petitioner or authorized signatory. The petitioner has reviewed this completed petition, including the **Petitioner's or Authorized Signatory's Declaration and Certification**, and informed me that all of this information in the form and in the supporting documents is complete, true, and correct.

Preparer's Signature

8.a. Preparer's Signature

8.b. Date of Signature (mm/dd/yyyy)

Request for Premium Processing Service

Department of Homeland Security
U.S. Citizenship and Immigration Services

USCIS
Form I-907
OMB No. 1615-0048
Expires 11/30/2025

For USCIS Use Only	Request Physically Received by USCIS	Returned	Resubmitted	Receipt
	Date _____ Date _____	Date _____ Date _____	Date _____ Date _____	
	Remarks			Action Block

To be completed by an attorney or accredited representative (if any).	☐ Select this box if Form G-28 or Form G-28I is attached.	Attorney State Bar Number (if applicable)	Attorney or Accredited Representative USCIS Online Account Number (if any)

▶ **START HERE - Type or print in black ink.**

Part 1. Information About the Person Filing This Request

1. Alien Registration Number (A-Number) (if any)
▶ A- 9 9 9 9 9 9 9 9 9

2. USCIS Online Account Number (if any)
▶ 9 9 9 9 9 9 9 9 9 9 9 9

3. Family Name (Last Name): Doe
Given Name (First Name): John
Middle Name:

4. Company or Organization Named in the Related Case (If filed on behalf of a company or organization)

5. Mailing Address

In Care Of Name

Street Number and Name: 999 99th st
Apt. ☐ Ste. ☐ Flr. ☐ Number

City or Town: Default
State: FL
ZIP Code: 99999 *USPS ZIP Code Lookup*

Province
Postal Code
Country: United States

6. Is your current mailing address the same as your physical address? ☒ Yes ☐ No

If you answered "No" to **Item Number 6.**, provide your physical address in **Item Number 7.**

Part 1. Information About the Person Filing This Request (continued)

7. Physical Address

Street Number and Name | Apt. ☐ Ste. ☐ Flr. ☐ | Number

City or Town | State | ZIP Code

Province | Postal Code | Country

8. Request for Premium Processing Service (select **only one** box):

☒ I am the **petitioner** who is filing or has filed a petition eligible for Premium Processing Service.

☐ I am the attorney or accredited representative **for the petitioner** who is filing or has filed a petition eligible for Premium Processing Service. (Complete and submit Form G-28, Notice of Entry of Appearance as Attorney or Accredited Representative, or Form G-28I, Notice of Entry of Appearance as Attorney In Matters Outside the Geographical Confines of the United States, if Form G-28 or Form G-28I has not been submitted with the petition.)

☐ I am the **applicant** who is filing or has filed an application eligible for Premium Processing Service.

☐ I am the attorney or accredited representative **for the applicant** who is filing or has filed an application eligible for Premium Processing Service. (Complete and submit Form G-28 or Form G-28I, if Form G-28 or Form G-28I has not been submitted with the application.)

Part 2. Information About the Request

1. Form Number of Related Petition or Application: I-140

2. Receipt Number of Related Petition or Application:

3. Classification or Eligibility Requested: EB-2 (E21 NIW)

4. Petitioner or Applicant in the Related Case

Family Name (Last Name): Doe | Given Name (First Name): John | Middle Name:

5. Beneficiary in the Related Case

Family Name (Last Name): Doe | Given Name (First Name): John | Middle Name:

6. Name of Point of Contact for the Company or Organization

Family Name (Last Name) | Given Name (First Name) | Middle Name

Position Title

7. Company or Organization IRS Employer Identification Number (EIN) (if any)

Part 2. Information About the Request (continued)

8. Address of Petitioner, Applicant, Company, or Organization Named in Related Case

Street Number and Name	Apt.	Ste.	Flr.	Number
999 99th st	☐	☐	☐	

City or Town	State	ZIP Code
Default City	FL	99999

Province	Postal Code	Country
		United States

Part 3. Requestor's Statement, Contact Information, Declaration, Certification, and Signature

NOTE: Read the **Penalties** section of the Form I-907 Instructions before completing this section.

I understand that U.S. Citizenship and Immigration Services (USCIS) will refund the Premium Processing Service fee to the person listed in **Part 1.** of this request if USCIS does not take an action on the related case within the applicable processing timeframe. I understand that case actions include a referral for investigation of suspected fraud, misrepresentation, or the issuance of an approval notice, a request for evidence, a notice of intent to deny, or a denial notice.

Requestor's Statement

NOTE: Select the box for either **Item A.** or **B.** in **Item Number 1.** If applicable, select the box for **Item Number 2.**

1. Requestor's Statement Regarding the Interpreter

A. ☒ I can read and understand English, and I have read and understand every question and instruction on this request and my answer to every question.

B. ☐ The interpreter named in **Part 4.** read to me every question and instruction on this request and my answer to every question in [ ], a language in which I am fluent, and I understood everything.

2. Requestor's Statement Regarding the Preparer

☐ At my request, the preparer named in **Part 5.**, [ ], prepared this request for me based only upon information I provided or authorized.

Requestor's Contact Information

3. Requestor's Daytime Telephone Number: 9999999999

4. Requestor's Mobile Telephone Number (if any):

5. Requestor's Fax Number (if any):

6. Requestor's Email Address (if any): johndoe@gmail.com

Requestor's Declaration and Certification

Copies of any documents I have submitted are exact photocopies of unaltered, original documents, and I understand that USCIS may require that I submit original documents to USCIS at a later date. Furthermore, I authorize the release of any information from any and all of my records that USCIS may need to determine my eligibility for the immigration benefit that I seek.

I furthermore authorize release of information contained in this request, in supporting documents, and in my USCIS records, to other entities and persons where necessary for the administration and enforcement of U.S. immigration law.

Part 3. Requestor's Statement, Contact Information, Declaration, Certification, and Signature (continued)

I certify, under penalty of perjury, that all of the information in my request and any document submitted with it were provided or authorized by me, that I reviewed and understand all of the information contained in, and submitted with, my request and that all of this information is complete, true, and correct.

Requestor's Signature

7. Requestor's Signature

Date of Signature (mm/dd/yyyy) 05/20/2023

NOTE TO ALL REQUESTORS: If you do not completely fill out this request or fail to submit required documents listed in the Instructions, USCIS may deny your request.

Part 4. Interpreter's Contact Information, Certification, and Signature

Provide the following information about the interpreter.

Interpreter's Full Name

1. Interpreter's Family Name (Last Name)

Interpreter's Given Name (First Name)

2. Interpreter's Business or Organization Name (if any)

Interpreter's Mailing Address

3. Street Number and Name

Apt. Ste. Flr. Number

City or Town

State

ZIP Code

Province

Postal Code

Country

Interpreter's Contact Information

4. Interpreter's Daytime Telephone Number

5. Interpreter's Mobile Telephone Number (if any)

6. Interpreter's Email Address (if any)

Interpreter's Certification

I certify, under penalty of perjury, that:

I am fluent in English and , which is the same language specified in **Part 3.**, **Item B.** in **Item Number 1.**, and I have read to this requestor in the identified language every question and instruction on this request and his or her answer to every question. The requestor informed me that he or she understands every instruction, question, and answer on the request, including the **Requestor's Declaration and Certification**, and has verified the accuracy of every answer.

Part 4. Interpreter's Contact Information, Certification, and Signature (continued)

Interpreter's Signature

7. Interpreter's Signature

Date of Signature (mm/dd/yyyy)

Part 5. Contact Information, Declaration, and Signature of the Person Preparing this Request, if Other Than the Requestor

Provide the following information about the preparer.

Preparer's Full Name

1. Preparer's Family Name (Last Name)

Preparer's Given Name (First Name)

2. Preparer's Business or Organization Name (if any)

Preparer's Mailing Address

3. Street Number and Name

Apt. Ste. Flr. Number

City or Town

State

ZIP Code

Province

Postal Code

Country

Preparer's Contact Information

4. Preparer's Daytime Telephone Number

5. Preparer's Mobile Telephone Number (if any)

6. Preparer's Email Address (if any)

Preparer's Statement

7.A. ☐ I am not an attorney or accredited representative but have prepared this request on behalf of the requestor with the requestor's consent.

B. ☐ I am an attorney or accredited representative and my representation of the requestor in this case

☐ extends ☐ does not extend beyond the preparation of this request.

NOTE: If you are an attorney or accredited representative, you may need to submit a completed Form G-28 or Form G-28I with this request.

Part 5. Contact Information, Declaration, and Signature of the Person Preparing this Request, if Other Than the Requestor (continued)

Preparer's Certification

By my signature, I certify, under penalty of perjury, that I prepared this request at the request of the requestor. The requestor then reviewed this completed request and informed me that he or she understands all of the information contained in, and submitted with, his or her request, including the **Requestor's Declaration and Certification**, and that all of this information is complete, true, and correct. I completed this request based only on information that the requestor provided to me or authorized me to obtain or use.

Preparer's Signature

8. Preparer's Signature | Date of Signature (mm/dd/yyyy)

Part 6. Additional Information

If you need extra space to provide any additional information within this petition, use the space below. If you need more space than what is provided, you may make copies of this page to complete and file with this petition or attach a separate sheet of paper. Type or print your name and A-Number (if any) at the top of each sheet; indicate the **Page Number**, **Part Number**, and **Item Number** to which your answer refers; and sign and date each sheet.

1. Family Name (Last Name) | Given Name (First Name) | Middle Name

2. A-Number (if any) ► **A-**

3.A. Page Number **3.B.** Part Number **3.C.** Item Number

3.D.

4.A. Page Number **4.B.** Part Number **4.C.** Item Number

4.D.

5.A. Page Number **5.B.** Part Number **5.C.** Item Number

5.D.

Title Page of the Current Passport

The Current Student Visa (F-1) in an expired passport

Title Page of the Expired Passport and expired US visas

Current form I-20

Current form I-94

Current Employment Authorization Document

Expired Employment Authorization Document

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Dr. John Doe
999 99th st,
Default City, FL, 99999
Tel. (999) 999-9999

June 6, 2023

USCIS Nebraska Service Center
850 S. Street, Lincoln, NE 68508

Initial Evidence in Support of the I-140 Immigrant Petition

Petitioner and Beneficiary:	JOHN DOE
Classification Sought:	Employment-Based Immigration, Second Preference, Exceptional Ability in Science with a "national interest waiver" of the job offer (EB2-NIW). Sec. 203(b)(2)(B) INA [8 U.S.C. 1153].

To Whom It May Concern:

This initial evidence is the attachment to Dr. John Doe's I-140 Immigrant Petition for Alien Worker. This evidence shows that Dr. Doe is an alien of exceptional ability in the sciences, specifically in Operations Research, and prospectively will substantially benefit the national economy, educational interests, and welfare of the United States (*Please refer to Sections 1, 2 and 3*).

Dr. Doe provides evidence that he satisfies three (A, D, F) of six criteria listed in 8 CFR, Section 204.5(k)(3)(ii), namely:

1. Dr. Doe has an advanced degree in Operations Research from a US university. (*Please refer to Sections 1.1 and 3.2*)
2. Dr. Doe has commanded remuneration for his services, which demonstrates exceptional ability; (*Please refer to Section 1.2*)
3. Evidence of Dr. Doe's recognition for achievements and significant contributions to the field by peers and professional organizations. (*Please refer to Section 1.3*)

Due to the specifics of the highly-competitive area of Dr. Doe's occupation, Dr. Doe additionally provides evidence that he satisfies the following three (iv, vi, viii) of ten criteria listed in 8 CFR, Section 204.5(h)(3) for determination of the extraordinary abilities.

1. Dr. Doe has participated, both individually and on a panel, as a judge of the work of others in the fields of Operations Research, Electrical Engineering, and Artificial Intelligence. (*Please refer to Section 1.4*)
2. Dr. Doe has authored scholarly articles in the fields of Operations Research, Electrical Engineering, and Artificial Intelligence. (*Please refer to Section 1.5*)
3. Dr. Doe has performed in a critical role in projects carried out for organizations with a distinguished reputation, such as the Office of Naval Research, US National Science Foundation, US Army Research Office, Air Force Office of Scientific Research, and Anycompany Inc. (*Please refer to Section 1.6*)

The criteria listed in 8 CFR, Section 204.5(h)(3) are comparable to the criteria listed in 8 CFR, Section 204.5(k)(3)(ii) due to the standards of exceptional ability being lower than the standard for extraordinary ability classification.

Dr. Doe requests a national interest waiver of the job offer pursuant to 203(b)(2)(B)(i) of the Act because he satisfies all three criteria for such a waiver described in Matter of Dhanasar, 26 I&N Dec. 884 (AAO 2016), namely:

1. Dr. Doe's proposed work in Artificial Intelligence and Power Engineering has both substantial merit and national importance (*Please refer to Section 2*)
2. Dr. Doe is well-positioned to advance the proposed endeavor due to his expertise. (*Please refer to Sections 1 and 3*)
3. On balance, it would be beneficial to the United States to waive the job offer and labor certification requirements for Dr. Doe. (*Please refer to Sections 2 and 4, and Statement from Dr. John Doe detailing plans on how he intends to continue work in the United States*)

In the United States, Dr. Doe plans to continue to work in the area of expertise. (*Please refer to the Statement from Dr. John Doe detailing plans on how he intends to continue work in the United States and to Exhibits 8 and 9, his current job offers.*)

Pursuant to 8 CFR, Section 204.5(k)(1), Dr. Doe may file a petition on Form I-140 for classification under Section 203(b)(2) of the Act as an alien of exceptional ability in the sciences on his own behalf because he is seeking an exemption from the requirement of labor certification in the United States pursuant to Section 203(b)(2)(B) of the Act.

Section 1. Dr. Doe is an alien of exceptional ability in Operations Research who will prospectively substantially benefit the national economy, educational interests, and welfare of the United States.

Dr. Doe's main area of study is Operations Research, which, by itself, is a subfield of applied mathematics built around mathematical optimization. Operations Research is known to have broad intersections with other engineering fields, such as Computer Science and Electrical Engineering, and relies heavily on applications both in theory and in practice. Thus, by working on cross-disciplinary projects, Dr. Doe was able to develop exceptional expertise in Artificial Intelligence, a sub-field of Computer Science, and Power Engineering, a sub-field of Electrical Engineering. His planned endeavor is based on top of his past work and aims to advance these sub-fields even further.

1.1 Dr. Doe has received degrees, including a B.Sc. degree in Applied Mathematics and Physics and a Ph.D. degree in Industrial Engineering and Operations Research from high-ranking Universities. He is a member of the professions requiring advanced degrees.

John Doe obtained his Bachelor of Science Degree from the Institute of Technology. (*Exhibit 10, the Applied Mathematics and Physics Diploma of John Doe, and its translation into English.*) According to the University Ranking 2017, it was the 2nd best university in Foreignland and one of the Top 500 universities in the world. (*Exhibit 20, Times Higher Education University Ranking 2017.*) John Doe was admitted to the graduate programs in such famous universities as Uni1 and Uni2 (*Exhibit 17, admission letters from graduate schools*). Still, he eventually decided to join the University of A because of the excellent operations research division there and because he wanted to work with Prof. A due to his prominent developments in mathematical programming for power systems analysis. There, John Doe majored in Industrial Engineering and Operations Research and minored in Mathematics and Computer Science. According to the University Ranking, the University of A is ranked #X in the world and #Y in the United States. (*Exhibit 21, Times Higher Education University Ranking 2022.*) In May 2022, John Doe defended and submitted his Ph.D. dissertation, "¡BLABLA¿" (*Exhibit 12, the abstract of the Ph.D. dissertation*), and thus completed all requirements for the Ph.D. degree at the University of A (*Exhibit 2, a letter from Professor A regarding the completion of all Ph.D. requirements by Dr. John Doe, Exhibit 11, the Ph.D. Diploma of John Doe and the graduate academic transcript.*)

John Doe is also a member of the professions requiring advanced degrees because his intended position has a minimum qualification of holding a Ph.D. degree from a university of recognized standing (*Exhibit 4, letter of Professor B and Exhibit 19, minimum requirements for the position of an Assistant Professor*).

1.2. Dr. Doe has commanded a high compensation for services, demonstrating exceptional ability.

In his first year of employment with Anycompany Inc., Dr. Doe has received over $XX,XXX in compensation for his services as a research scientist in the form of base salary ($XX,XXX), bonuses ($XX,XXX), and Restricted Stock Units ($XX,XXX), not including the benefits (*Exhibit 9, Anycompany job offer*). The W-2 form submitted by Dr.Doe as a part of his 2022 tax return indicates that Anycompany paid him $XX,XXX in wages just in the first seven months of his employment since he started working there in late May. This W-2 form does not reflect a major part of the bonus that was paid in advance. (*Exhibit 30, W-2 of Anycompany, 2022*) To illustrate how much Dr. Doe's pay is superior to the pay of even the top specialists in his field, his wage can be compared to the 90% wage

percentiles in the closest areas reported by the United States Bureau of Labor Statistics. Thus, Dr. Doe's compensation is $X.XX$ times larger than the wage of the top Computer and Information Research Scientists nationwide ($XX,XXX) and $X.XX$ times larger than the wage of the best Electrical Engineers ($XX,XXX). He earns $X.XX$ times more than the best-paid Operations Research Analysts ($XX,XXX) and $X.XX$ times more than the most outstanding Industrial Engineers in the country ($XX,XXX). (*Exhibit 19, U. S. Bureau of Labor Statistics report*)

The illustrated major difference in Dr. Doe's compensation from the job market's standards comes from the competitive advantage that Dr. Doe has in the U.S. job market due to his exceptional abilities in his fields of expertise.

1.3 Dr. Doe is recognized for achievements and significant contributions to the fields of Power Engineering and Artificial Intelligence by peers and professional organizations.

1.3.1 Other scientists recognize Dr. Doe's exceptional knowledge of Electrical Engineering and Artificial Intelligence and consider Dr. Doe a top expert in these fields.

Dr. Doe's international recognition is evident from the 6 letters supporting his petition that he received from six distinguished professionals from the United States and abroad. (*Supporting Letters; Exhibits 2–7.*)

All authors of supporting letters are recognized experts in the fields of Electrical Engineering and Artificial Intelligence. Two of them have been Dr. Doe's mentors, while the other four have never worked with Dr. Doe directly but know his work from his publications and collaborative projects.

"[...] not only has Dr. Doe vastly improved academic knowledge at the highest level, but he also has contributed to finding practical solutions to existing and almost intractable problems. In short, he is one of the top newly graduated Ph.D.s that I have had the chance to interact with." (*Exhibit 4, a letter from Professor B*)

"Over my 15 years of experience at the University of Someland1, Université Libre de Someland2, University of Someland3 or the Universidade de Someland4, I have encountered very few recent Ph.D. scientists whose published work and record of achievement compares favorably with that of Dr. Doe." (*Exhibit 5, a letter from Dr. C*)

"Dr. Doe's outstanding contributions have been highly recognized in the field of Operations Research and Artificial Intelligence." (*Exhibit 7, a letter from Professor E.*)

"Dr. Doe has participated in much innovative research recognized internationally for its excellence. [...] He has developed good ways of making signal corruption easy to detect automatically and showed that they are extremely robust and can sustain up to half of the measurements to be completely wrong for the signal to still be accurately recovered." (*Exhibit 6, a letter from Dr. D.*)

1.3.2 Dr. Doe has made original discoveries in Power Engineering and Artificial Intelligence.

"[...] The results of his work make an important contribution to the field of control and optimization of safety-critical cyberphysical systems, such as electrical power grids. [...] His results offer implications that should be considered at multiple stages throughout the life cycle of a safety-critical system, starting from the design of the sensing mechanisms to ensure robustness and security of operation both in normal conditions and in situations of an emergency, such as during a cyber-attack. The work

John has completed during his Ph.D. studies widely expanded my group's research scope and will certainly lead to future advances in safety-critical system design and analytics." (*Exhibit 2, a letter from Professor A.*)

"As a graduate student, Dr. Doe published 9 papers in top Artificial Intelligence and Operations Research venues, including the Journal of Machine Learning Research and Mathematical Programming. In these papers, he demonstrated both the theoretical and practical importance of conic convexification techniques in data analysis and machine learning applications. They turned out to be an excellent tool for understanding the properties of local search methods with respect to global convergence on a complicated nonconvex functional landscape. Those properties were considered impossible to understand for a very long time as the term "non-linear optimization" became a synonym for "convex optimization." Everything changed when these recent advances in the theory of non-convex programming came around. Characterization of the non-convex problems by their solvability with iterative optimization algorithms and construction of convergence guarantees open the door to the creation of a unified theory of machine learning, which is crucial for assuring the predictability, interpretability, and safety of the Artificial Intelligence applications to be created in the future. Non-convex optimization is among the most important subfield of operations research, and the contribution by Dr. Doe will move the field forward." (*Exhibit 5, a letter from Dr. C.*)

1.3.3 Many scientists highly cite the papers co-authored by Dr. Doe.

The significance and the impact of Dr. Doe's work are demonstrated by the fact that his papers have been cited at least 40 times by 18 research groups from the United States and other countries, according to citation reports from the Google Scholar citation database. (*Exhibit 15, citation reports for Dr. Doe's papers.*) This number is constantly growing at rates higher than the impact factors of some of the corresponding journals. It is impressive for a young scientist who published his first paper merely 6 years ago when he was an undergraduate student. John Doe's papers have been cited by Professor H, the Vice Chancellor for Research and Distinguished Professor of Electrical Engineering and Computer Science at the University of H, by Prof. J, a professor of Machine Learning in the Computational and Biological Learning Lab, Department of Engineering, University of J, and Prof. K, a top researcher on Optimization in Machine Learning and AI, the Moorthy Family Professor in the departments of Mathematics, Statistics, and the Allen School of Computer Science and Engineering at the University of K.

"I have not interacted with Dr. Doe directly, but I know his papers very well. Our group used Does results and I cited Does work in my publications multiple times. [...] Our findings were eventually published in the proceedings of the IEEE Conference on Decision and Control, a top conference on Control Theory. This line of work was built on top of the developments published by Dr. Doe [...]" (*Exhibit 6, a letter from Dr. D.*)

1.3.4 The discoveries by Dr. Doe led to external collaborations and applications.

"I have received multiple requests for collaboration in the development of advanced engineering solutions that would be based on the work that was done by Dr. Doe for his Ph.D. thesis. I am working with the Anycompany.ai Institute on a project "¡BLABLA¿," which aims at the commercialization of theoretically grounded AI methods such as the one studied by John in our papers "¡BLABLA¿" and "¡BLABLABLA¿." The interest in "AI for Power" research and its vast potential is underscored by productive collaborations like this one that was driven by the ideas and results of John Doe." (*Exhibit*

2, a letter from Professor A.)

"His impactful contributions to the analysis of sampling complexity in the semidefinite affine rank feasibility problem are worth special mention. In an era where the interest in sampling complexity of learning problems is rapidly escalating, his work provides crucial insight. The predictive framework that he and his colleagues have devised gives us new, powerful tools for examining non-convex learning problems, laying the groundwork for future discoveries related to compute-optimal scaling laws for machine learning models." (*Exhibit 7, a letter from Professor E.*)

1.4. Dr. Doe has been a judge of the work of others in the fields of Operations Research, Electrical Engineering and Artificial Intelligence.

Dr. John Doe completed more than 12 review assignments in the fields of Operations Research and Artificial Intelligence. He was invited to be a reviewer for manuscripts submitted to the Journal of Machine Learning Research, the Open Journal of Mathematical Optimization, the International Conference on Artificial Intelligence and Statistics, the Conference on Decision and Control, the IEEE International Symposium on Information Theory, and others. (*Exhibit 16, review assignments completed by Dr. John Doe and Exhibit 5, a letter from Dr. C*)

"[...] we have requested Dr. Doe's expertise in the area of optimization under uncertainty to review the paper independently and provide feedback to the authors. The review was completed swiftly. Dr. Doe has made valuable suggestions allowing us to accept the manuscript after a revision, delivering an impact to the applications such as signal recovery with uncertainties in the sensing matrix and identification of parameters of time-invariant discrete-time linear dynamical systems via noisy observations." (*Exhibit 5, a letter from Dr. C*)

Dr. Doe has selected the best researchers in the field of global optimization to present their work at an annual meeting of the main professional organization in Dr.Doe's field of expertise.

"Despite being in the fourth year of his Ph.D., Dr. Doe demonstrated his leadership by assembling an impressive roster of speakers from prestigious institutions. This level of knowledge and dedication to his field was indicative of his exceptional promise as an outstanding scholar and researcher." (*Exhibit 7, a letter from Professor E*)

Dr. Doe is trusted to judge the work of the top academic researchers who are applying for tenure-track positions at the University of B.

"We have relied heavily on his expertise in evaluating candidates to grow our department further. In March, 2023 Dr. Doe was invited to join recruiting committee for another tenure track position in Renewable Energy as an industry advisor" (*Exhibit 4, a letter from Professor B.*)

1.5 Dr. Doe is widely published in the fields of Numerical Optimization, Power Systems, and Artificial Intelligence. His publications have appeared in top journals in these fields. He presented his work at the national and international conferences.

Dr. Doe has published 11 peer-reviewed articles, with 8 articles as a first author and 3 articles as a second author. He has submitted one more publication for peer review. (*Exhibit 13, first pages of 12 papers co-authored by Dr. Doe.*)

"Dr. Doe's thesis results are published in prestigious venues as he made key experimental and intellectual contributions to many results produced in my group. Under my supervision, he has published 2

journal articles and 6 conference papers as a first author and co-authored 2 papers as a second author because of his key intellectual contribution to the work. Both of his journal articles are published in the top journals in the fields of mathematical optimization (Mathematical Programming, top-1 h-index overall) and machine learning (Journal of Machine Learning Research, top-1 h-index among open access journals)." (*Exhibit 2, a letter from Professor A.*)

"The work with us is only a very small part of the Dr. Doe's record since he has co-authored 10 papers before starting his work at our company. That is an impressive work, which summarizes well Dr. Doe's commitment to his research. I consider myself very fortunate that he accepted to work on our research project." (*Exhibit 3, a letter from F*)

According to the Google Scholar Metrics rankings of the venues in Mathematical Optimization, Artificial Intelligence, and Power Engineering, the journals and conferences that published papers by Dr. Doe are at the top of these fields by H-factor in 2023. (*Exhibit 24, top venues rankings.*) For example, Mathematical Programming is the top-1 venue for publications on Mathematical Optimization, IEEE Transactions on Smart Grids is the top-1 among the venues on Power Engineering, and AAAI Conference on Artificial Intelligence is the #4 venue in the ranking for Artificial Intelligence. The Journal of Machine Learning Research is among the top-3 journals on Artificial Intelligence ranked by H-index according to Scimago Journal and County Ranking, which does not include conferences.

Dr. Doe presented a total of eleven public oral talks, among them four at national and international conferences on Operations Research and Artificial Intelligence. (*Exhibit 14, conference invitations for Dr. Doe.*)

"Being an active member of the international scientific community, John has been invited to participate in poster sessions and give oral speeches at numerous conferences in the US (¡BLABLA¿) and internationally (¡BLABLABLA¿). The main professional society of scientists and industry specialists in Operations Research (INFORMS) has recognized John's contributions to the field and invited him to organize and chair a session during their Annual Meeting in 2021." (*Exhibit 2, a letter from Professor A.*)

1.6 Dr. Doe has performed a critical role in projects carried out for organizations of distinguished reputation. His knowledge and contribution to the fields have been invaluable to this job and have greatly impacted his area of study.

"John played a crucial role in our collaborative projects on the robustness and resiliency of power systems funded by grants from the Office of Naval Research (N00000-00-0-0000), the US National Science Foundation (0000000), the US Army Research Office (W000NF-00-0-0000) and the Air Force Office of Scientific Research (FA0000- 00-0-0000)." (*Exhibit 2, a letter from Professor A.*)

"Besides this paper, John Doe co-authored several other high-profile papers during his work as a Ph.D. student with his adviser Prof. A and colleagues from the University of A and other respected universities. John Doe is assigned as the first author in many of these papers. This distinction means that he was a key person in the published research and carried out most of the intellectual work." (*Exhibit 6, a letter from Dr. D*)

Dr. John Doe performs his duties as a Research Scientist at the AI Research and Development department of Anycompany Inc. (*Exhibit 9, Anycompany Inc. job offer letter.*) Anycompany is one of the top Artificial Intelligence technology companies in the United States according to the US Rankings

citing Bank of America. (*Exhibit 23, USNews article on top AI technology stocks.*) His duties include researching safe and robust numerical optimization techniques for training large-scale AI systems.

"The optimization procedure was distributed over thousands of computational machines that had to work synchronously for many months, making the experiment extremely difficult to conduct from a technological point of view. This is where Dr. Doe applied his expertise, becoming responsible for the resiliency and robustness of the computational load to the potential issues coming from the unreliability of the underlying hardware and the limitations of the existing optimization algorithms used in modern AI training. Dr. Doe was surprisingly fast to onboard with the new team and worked collaboratively with our engineers which led to the successful completion of the planned experiments. [...] Working in our group, John has performed a key function and obtained hands-on experience in training large machine learning models that many believe to be the future of AI and the key to the next industrial revolution." (*Exhibit 3, a letter from F*)

<u>Section 2.</u> Dr. Doe's proposed employment has both substantial merit and national importance for the United States.

2.1 Power Engineering and Artificial Intelligence are the areas of substantial merit.

Dr. John Doe intends to work in the fields of Power System engineering and Artificial Intelligence. The following descriptions of federal and state projects provide a summary of the importance and the urgency of the research in Power Engineering:

"America's economy, national security, and even the health and safety of our citizens depend on the reliable delivery of electricity. [...] This exciting transformation of the nation's electric grid creates both challenges and opportunities to advance the capabilities of today's electricity delivery system. A critical component of grid modernization is a coordinated, strategic research, development, and demonstration (RD&D) effort that involves both the public and private sectors." (*Exhibit 25, description of the Grid Modernization and the Smart Grid project by the Department of Energy*)

"The United States has set a goal to reach 100 percent carbon pollution-free electricity by 2035, which can be achieved through multiple cost-effective pathways, each resulting in meaningful emissions reductions in this decade. That means good-paying jobs deploying carbon pollution-free electricity generating resources, transmission, and energy storage and leveraging the carbon pollution-free energy potential of power plants retrofitted with carbon capture and existing nuclear while ensuring those facilities meet robust and rigorous standards for the worker, public, environmental safety and environmental justice." (*Exhibit 26, the White House Greenhouse Gas Pollution Reduction Target*)

"The goal of the Clean Energy Initiative is to achieve 100 percent clean energy by 2045. Through collaboration between thought leaders and committed groups and individuals, CEI builds upon the dynamic, ongoing work of public and private organizations at the national, state, and county levels to achieve the following key objectives: Define the new infrastructure needed to move the State to a clean energy economy. Foster and demonstrate innovation in the use of clean energy technologies, creative financing, and public policy to accelerate our transition to clean energy." (*Exhibit 27, the description of Clean Energy Initiative by the State Energy Office*)

The following quote from the US Secretary of State summarizes the importance and the urgency of advances in Artificial Intelligence:

"A global technology revolution is now underway. The world's leading powers are racing to develop and deploy new technologies like artificial intelligence and quantum computing that could shape everything about our lives – from where we get energy, to how we do our jobs, to how wars are fought. We want America to maintain our scientific and technological edge because it's critical to us thriving in the 21st century economy." (*Exhibit 28, a quote from Antony J. Blinken, Secretary of State*)

"The Administration is also actively working to address the national security concerns raised by AI, especially in critical areas like cybersecurity, biosecurity, and safety. This includes enlisting the support of government cybersecurity experts from across the national security community to ensure leading AI companies have access to best practices, including protection of AI models and networks." (*Exhibit 29, New Actions to Promote Responsible AI Innovation that Protects Americans' Rights and Safety*)

2.2 Dr. Doe's work will be beneficial to the United States.

Dr. Doe is working on the most pressing issues in Artificial Intelligence and Power Engineering,

successfully contributing to the solution of the most important problems the U.S. is facing.

"Throughout our experiment, John also led the effort of analyzing the results and iterating on the theory behind the observed and previously unexplained phenomena in large-scale AI training, such as the dangerous and disruptive instabilities of the model quality. His work on this front made him the first author of our recently published paper which the project has culminated into. Releasing our result will inform the training of the future generations of the foundational language models, improving their quality, making them more predictable and stable, eventually benefiting many aspects of the US economy and our society." (*Exhibit 3, a letter from F.*)

"The purpose of the research is to use novel meta-learning techniques for fine-tuning of the control algorithms, making autonomous systems more robust to changes in the environment and adaptive to users' preferences. This type of new control algorithms can be highly useful for manufacturing and robotic applications and thus can be associated with valuable improvements in everyday life." (*Exhibit 6, a letter from Dr. D.*)

"His involvement in the development of one of the largest foundational models of natural language, as documented in the open-access preprint "¡BLABLA¿", shows his commitment to advancing the frontiers of engineering. This innovative research provides invaluable insights for entities seeking a competitive edge in the global AI systems market." (*Exhibit 7, a letter from Professor E.*)

"His work to date has already contributed in important ways to the practice of data analytics and especially to the power system state estimation and natural language modeling, where the guaranteed properties of safety and robustness are centrally important for the use of products." (*Exhibit 5, a letter from Dr. C.*)

"He helped to form a comprehensive framework for finding the exact state of a power system from local measurements, some of which may be corrupted arbitrarily. John has conducted numerical experiments to determine the candidates for the exact convex relaxation for this difficult computational problem. He has also adapted advanced ideas from statistical learning theory to prove the exactness of one of these relaxations, which was among the project's key results. Developing algorithms for advanced data analytics with built-in cyber security protection is a matter of national security to any country because of the vulnerabilities of large-scale systems such as the power grid. Thus, John's research area is of primary interest to various governmental organizations." (*Exhibit 2, a letter from Professor A.*)

Section 3. Dr. Doe is well-positioned to advance the proposed endeavor due to his expertise.

3.1 Dr. Doe is an expert in the fields of Power Engineering and Artificial Intelligence with over six years of research experience in the exact area of proposed employment.

Dr. Doe started his research career in the fields of artificial intelligence and operations research for power system analytics when he was an undergraduate student at the Institute of Technology (2013–2017). In his senior year of college, he was employed at the Institute of Science and Technology for a project on large-scale electrical grid control. That same year he published his first-authored paper on improvements in plagiarism detection. His undergraduate thesis was devoted to the machine analysis of the heterogeneity of transport flows. After graduation, he was a visiting summer researcher at the Someland National Laboratory, U.S., where he continued his work on novel numerical methods for the analysis of power systems data. He later obtained his Ph.D. degree working on non-convex and conic optimization problems in data science applications. Then he was offered a Research Scientist position at Anycompany and a tenure-track Professor position at the University of B. He deferred the second offer and now he applies his knowledge of large-scale optimization to the design of generative language models. (*Please see Exhibit 1, CV of Dr. John Doe.*)

3.2 Dr. Doe has always performed at the top of his peers.

As an undergraduate student, John Doe had the top GPA and graduated Summa Cum Laude. (*Exhibit 10, the Applied Mathematics and Physics Diploma of John Doe.*) For 3 out of 8 required classes in graduate school, John Doe received an "A+" grade, which shows that he performed in the class even better than expected from an excellent student, and the instructor decided to provide this additional distinction. (*Exhibit 11, the graduate academic transcript.*)

"John has been enrolled in two of the courses I teach at the Department of Industrial Engineering and Operations Research. The first one, Course I, dives deeply into the advanced material on continuous convex and non-convex optimization, conic optimization, convexification techniques, and key numerical algorithms. John was undoubtedly the top performer in the class of more than 20 students receiving A+ for the course. The second one, Course II, focused on discrete- and continuous-time stochastic and deterministic dynamical systems and the theory of optimal control. In this course, John also has shown outstanding performance scoring the top final score, which also brought him an A+ mark. Dr. Doe was clearly one of the very top students in our department in an academic sense." (*Exhibit 2, a letter from Professor A*)

For his academic achievements, John Doe received a fellowship from the Department of Industrial Engineering and Operations Research at the University of A. This highly competitive fellowship is only offered to the most outstanding applicants to the Ph.D. program of the Department. (*Exhibit 17, admission notification.*)

"Due to his excellent academic and research performance in his undergraduate years, John Doe was accepted to our Ph.D. program with the IEOR Graduate Fellowship award. The Fellowship is usually awarded to the top students in our department. It is extremely competitive and highly prestigious. The fellowship provides not only prestige but considerable financial support. This allowed Dr. Doe to focus exclusively on his research work during the first year of his graduate studies. In most cases, I raise funds to support my graduate students through grants. In contrast, Dr. Doe was in part supported by the Award that he received based on his own accomplishments and level of excellence."

(*Exhibit 2, a letter from Professor A.*)

"Due to his research accomplishments, John graduated in just 5 years, about one year faster than most of his peers, into a competitive post-pandemic job market environment and was offered several positions in academia and the industry. Even before graduation, he landed an Assistant Professor's position at the University of B [...]." (*Exhibit 2, a letter from Professor A.*)

3.3 Dr. Doe received a tenure-track position in a very high research activity institution in the field of Electrical Engineering and an offer from a leading tech firm to conduct studies of Artificial Intelligence. He is already working in the United States in the fields of his expertise.

Due to the demonstrated research potential in the Power System Data Analysis field, Dr. John Doe has received an offer from the Department of Electrical and Computer Engineering of the University of B for the tenure-track position of Assistant Professor of Systems and Data Science. (*Exhibit 8, University of B job offer letter, Exhibit 4, a letter from Professor B*) The University is among the 146 institutions with very high research activity, according to the Carnegie Classification. (*Exhibit 22, University of B page on the Carnegie Classification of Institutions of Higher Education website.*)

"He has [been] offered an Assistant Professorship at the Department of Electrical and Computer Engineering at the University of B. To secure a tenure track position at a prominent national university straight out of graduate school is a testament to Dr. Doe's remarkable talent and skills." (*Exhibit 7, a letter from Professor E.*)

"Dr. Doe underwent a highly competitive selection for the position of Assistant Professor at our department. We have received over 30 complete applications for the position from competent candidates from all over the world. We have reduced the pool to 10 short-listed candidates and invited 3 of them for an interview. Dr. Doe has stood out from the other candidates due to the alignment of his research direction and the priorities of the University and the State, his solid background in this research topic, and the coherent plans for further advances in the field. The hiring committee determined Dr. Doe to be the top candidate for the offer because he is one of the best young researchers in the field of electrical and computer engineering with a strong record of research activity and publications." (*Exhibit 4, a letter from Professor B.*)

Section 4. Concluding Remarks.

"Clearly, Dr. Doe is an exceptionally talented mathematician and engineer, and he would be a great asset to the United States if he continued working here. If he enters academics as a Professor, as planned, then he will make important contributions to the carbon-neutral and robust power systems for State and the US, training future generations of engineers among the Veterans and the native population. If he stays in the industry, he will create new commercial opportunities based on his advanced knowledge of next-generation AI technology and the safety of large computational systems. In short, Dr. John Doe is already a leader in main areas of immense importance to our economy and national security, and his leadership position will inevitably increase. Please give favorable consideration to his Green Card application." (*Exhibit 2, a letter from Professor A.*)

"I endorse the immigration petition by Dr. Doe and ask you to decide favorably on his behalf so that he can continue his important research without delays and distractions." (*Exhibit 4, a letter from Professor B.*)

"Dr. Doe offers a unique skillset to the American scientific community. He is a creative engineer with an unusually keen attention to detail. I strongly support his application." (*Exhibit 3, a letter from F.*)

"Let me finish this letter with the statement that Dr. John Doe is a brilliant young investigator in the fields of operations research and artificial intelligence. Granting him permanent residence in the U.S. will allow his work to proceed uninterrupted so he can concentrate on the application of his skills and knowledge to solving major computational problems." (*Exhibit 5, a letter from Dr. C.*)

"I wholeheartedly endorse Dr. Doe's application for the EB-2 NIW petition for Permanent Residence. His advanced research and demonstrated leadership in his field make him a strong candidate, and I am confident that his ongoing contributions will substantially benefit our nation." (*Exhibit 7, a letter from Professor E.*)

"In my opinion, Dr. Doe has made very significant discoveries in control and signal processing and helped in the advance of operations research. His outstanding abilities and expertise will be a huge asset to the science of computation in the USA. There is no doubt he will continue to have a major impact on electrical engineering, operations research, machine learning, and artificial intelligence. He will certainly contribute substantially to the well-being of American society and help sustain the USA as the leading light in world science." (*Exhibit 6, a letter from Dr. D.*)

In conclusion, the initial evidence presented in Sections 1, 2, 3, and in the attached Exhibits shows that Dr. Doe has a degree of expertise significantly above that ordinarily encountered in Electrical Engineering or Artificial Intelligence.

Dr. Doe is a well-recognized expert in the closely related scientific fields of Operations Research, Electrical Engineering, and Artificial Intelligence. He is going to continue working in the fields of his expertise in the United States. Supporting letters from experts in the fields state that Dr. Doe's discoveries and contributions would be beneficial to the United States in industrial applications.

The governmental funds assigned to Dr. Doe as an Assistant Professor at the University of B would allow new research scientist positions to be created under his leadership. (*Exhibit 8, Job Offer from the University of B*) Further career advances of Dr. Doe as a Professor would imply growing his research group and strengthening the workforce in a STEM area important to U.S. competitiveness.

There is likely no single employer or a single currently available position that would encompass the diversity of Dr. Doe's skills in both industrial and academic research, which makes labor certification impractical in his case. Conducting labor certification with just one of the employers would not reflect the national importance of Dr. Doe's planned endeavor. It would also not capture the unique knowledge and combination of skills of Dr. Doe that far exceed the minimum requirements standard for academic or industry researchers. Because of his record of successful research in the areas of the national interest, Dr. Doe offers contributions of such value that, on balance, they would benefit the United States, even assuming that other qualified U.S. workers are available. The requirement of a lengthy process of obtaining the labor certification would interrupt and delay the urgently required research being performed by Dr. Doe and would have a negative impact on the national interests of the United States.

Thus, Dr. Doe fully satisfies all requirements and regulations listed in INA Section 203(b)(2), and I ask the reviewer to approve Dr. Doe's petition for permanent residence under the category of an alien of exceptional ability with the national interest waiver.

Please contact me at the following address for any additional evidence.

Sincerely,

John Doe
999 99th st,
Default City, FL, 99999
Tel. (999) 999-9999

Statement from Dr. John Doe detailing plans on how he intends to continue work in the United States

June 6, 2023

My name is John Doe. I am the beneficiary of the I-140 Immigrant Petition for Alien Worker, seeking EB2-NIW immigrant classification as an alien of exceptional ability in Science. I have a vast experience in Operations Research at the intersection with Artificial Intelligence and Power Engineering, and I intend to continue conducting research in these areas in the United States.

More concretely, I plan to boost academic research in Power Systems Engineering by transferring there the expertise, knowledge, and tools from the modern industrial practice of Artificial Intelligence (AI). I am currently employed as a Research Scientist at the AI department of Anycompany Inc, one of the leading technology companies in the United States, working on state-of-the-art Generative Artificial Intelligence systems. Recently, due to my previous research on computational methods for the analysis of an electrical grid, I have been offered a tenure-track position as an Assistant Professor at the Department of Electrical and Computer Engineering from the University of B - a Doctoral University with very high research activity. Having strong connections to both academic research in Electrical Engineering and industry research in the field of AI, I find myself uniquely placed to work toward achieving the synergy between the two for the benefit of the nation.

The position at the University of B is a perfect chance for me to make a positive impact on society through the resolution of its most important problems. The federal government of the United States has committed to a very tight timeline for the nation's transition toward carbon-neutral power generation. The state B, in particular, has committed to ambitious targets as well, which makes it an excellent location to conduct academic state-funded research and quickly iterate through original ideas on the possible modifications to the national electrical grid operations. Besides that, working for the University of B would give me an opportunity to teach my most recent findings to Undergraduate and Graduate students, which I see as an integral part of my research process.

I have already witnessed that maintaining strong ties with industrial companies is a necessity for anyone who wants to conduct state-of-the-art research in the area of Artificial Intelligence. None of the academic institutions has the computational resources and the diverse set of talent to be completely independent in this competitive field. Coming from a community of Operations Research professionals, it is very important for me to have access to the raw research data routinely analyzed by AI engineers. Being the first person who learns about experimental results, even those that are considered to be failed by their designers and are not going to be published, is what truly empowers rapid cross-disciplinary innovation. Knowing what machine learning techniques actually work or do not work in practice allows me to come up with my own unique research questions I would not have thought about otherwise. It was extremely difficult for me to keep up with the current AI practice as a purely academic researcher.

Given these considerations, I plan to hold dual affiliation with the University and an industrial AI laboratory, such as Anycompany. I will continue working on the quality, safety, and robustness of AI tools, incorporating them into the operations of electricity generation and distribution systems, enabling further expansion of carbon-neutral power technologies on the market. The non-immigrant visa status is a significant obstacle to any individual aiming to hold dual affiliation with US institutions due to legal limitations and associated risks. Thus, I am filing this petition seeking immigrant classification that has a high potential to benefit the economy and science of the United States.

Sincerely,

John Doe
999 99th st,
Default City, FL, 99999
Tel. (999) 999-9999

List of Exhibits

Exhibit 1: Curriculum Vitae of Dr. John Doe

Exhibit 2: Letter of Professor A, University of A

Exhibit 3: Letter of F, Anycompany Inc.

Exhibit 4: Letter of Professor B, University of B at Manoa

Exhibit 5: Letter of Dr. C, Lab

Exhibit 6: Letter of Dr. D, University of D

Exhibit 7: Letter of Professor E, University of E

Exhibit 8: Job Offer: University of B

Exhibit 9: Job Offer: Anycompany Inc.

Exhibit 10: Bachelor diploma of Dr. Doe

Exhibit 11: Graduate diploma of Dr. Doe

Exhibit 12: Abstract of the Ph.D. dissertation by Dr. Doe

Exhibit 13: First pages of 12 papers co-authored by Dr. Doe

Exhibit 14: Conference invitations for Dr. Doe

Exhibit 15: Citation reports for Dr. Doe's papers

Exhibit 16: Review assignments completed by Dr. John Doe

Exhibit 17: Admission letters from graduate schools to Dr. Doe

Exhibit 18: Announcement of the Assistant Professor position offered to Dr. John Doe

Exhibit 19: U.S. Bureau of Labor Statistics report

Exhibit 20: Times Higher Education University Ranking 2017

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Exhibit 29: New Actions to Promote Responsible AI Innovation that Protects Americans' Rights and Safety

Exhibit 30: W-2 form Dr. Doe received from Anycompany Inc. for the calendar year 2022

Exhibit 1

Curriculum Vitae of Dr. John Doe

Exhibit 2

Letter of Professor A, University of A

f

Exhibit 3

Letter of F, Anycompany Inc.

Exhibit 4

Letter of Professor B, University of B

Exhibit 5

Letter of Dr. C, Lab

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Letter of Dr. D, University of D

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Letter of Professor E, University of E

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Job Offer: University of Whatever

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Occupational Employment and Wage Statistics by U.S. Bureau of Labor Statistics

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Times Higher Education University Ranking 2017

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University of Anywhere page on the website of Carnegie Classification of Institutions of Higher Education

Exhibit 23

USNews article on top AI technology stocks

Exhibit 24

Top venues in Artificial Intelligence, Mathematical Optimization, and Power Engineering

Exhibit 25

Description of the Grid Modernization and the Smart Grid project by the Department of Energy

Grid Modernization and the Smart Grid

Office of Electricity

America's economy, national security and even the health and safety of our citizens depend on the reliable delivery of electricity. The U.S. electric grid is an engineering

marvel with more than 9,200 electric generating units having more than 1 million megawatts of generating capacity connected to more than 600,000 miles of transmission lines.

The electric grid is more than just generation and transmission infrastructure. It is an ecosystem of asset owners, manufacturers, service providers, and government officials at Federal, state, and local levels, all working together to run one of the most reliable electrical grids in the world. The Office of Electricity (OE) is working with its public and private partners to strengthen, transform, and improve energy infrastructure to ensure access to reliable, secure, and clean sources of energy.

Our electric infrastructure is aging and it is being pushed to do more than it was originally designed to do. Modernizing the grid to make it "smarter" and more resilient through the use of cutting-edge technologies, equipment, and controls that communicate and work together to deliver electricity more reliably and efficiently can greatly reduce the frequency and duration of power outages, reduce storm impacts, and restore service faster when outages occur. Consumers can better manage their own energy consumption and costs because they have easier access to their own data. Utilities also benefit from a modernized grid, including improved security, reduced peak loads, increased integration of renewables, and lower operational costs.

"Smart grid" technologies are made possible by two-way communication technologies, control systems, and computer processing. These advanced technologies include advanced sensors known as Phasor Measurement Units (PMUs) that allow operators to assess grid stability, advanced digital meters that give consumers better information and automatically report outages, relays that sense and recover from faults in the substation automatically, automated feeder switches that re-route power around problems, and batteries that store excess energy and make it available later to the grid to meet customer demand.

This exciting transformation of the nation's electric grid creates both challenges and opportunities to advance the capabilities of today's electricity delivery system. A critical component of grid modernization is a coordinated, strategic research, development and demonstration (RD&D) effort that involves both the public and private sectors.

OE's Role in Grid Modernization

Since its inception, OE has catalyzed investment in electric and energy infrastructure. Over the years, OE has continued investing in the research, development, and demonstration of advanced technologies while also developing new modeling and analytics capabilities that can evolve as technology and policy needs mature.

OE leads national efforts to develop the next generation of technologies, tools, and techniques for the efficient, resilient, reliable, and affordable delivery of electricity in the U.S. OE manages programs related to modernizing the nation's power grid, including, but not limited to, grid scale energy storage; smart grid research and development; advanced technologies such as solid-state transformers and power flow controllers that can optimize power delivery and enhance resilience (power electronics); complex interactive capabilities that can allow the system to respond to change (adaptive networks); intelligent communications and control systems; and new measurements, data analytics, and models that leverage the latest scientific advancements in mathematics and computation.

Legislative Mandates

In December 2007, Congress passed, and the President approved, Title XIII of the Energy Independence and Security Act of 2007 (EISA). EISA provided the legislative support for DOE's smart grid activities and reinforced its role in leading and coordinating national grid modernization efforts. EISA Section 1303 established at DOE the **Smart Grid Advisory Committee** and **Federal Smart Grid Task Force.**

RELATED LINKS

OE R&D Fact Sheet

Grid Modernization Initiative

Grid Modernization Laboratory Consortium

Interactive Grid

Power Grid Podcast

Exhibit 26

The White House Greenhouse Gas Pollution Reduction Target

APRIL 22, 2021

FACT SHEET: President Biden Sets 2030 Greenhouse Gas Pollution Reduction Target Aimed at Creating Good-Paying Union Jobs and Securing U.S. Leadership on Clean Energy Technologies

Building on Past U.S. Leadership, including Efforts by States, Cities, Tribes, and Territories, the New Target Aims at 50-52 Percent Reduction in U.S. Greenhouse Gas Pollution from 2005 Levels in 2030

Today, President Biden will announce a new target for the United States to achieve a 50-52 percent reduction from 2005 levels in economy-wide net greenhouse gas pollution in 2030 – building on progress to-date and by positioning American workers and industry to tackle the climate crisis.

The announcement – made during the Leaders Summit on Climate that President Biden is holding to challenge the world on increased ambition in combatting climate change – is part of the President's focus on building back better in a way that will create millions of good-paying, union jobs, ensure economic competitiveness, advance environmental justice, and improve the health and security of communities across America.

On Day One, President Biden fulfilled his promise to rejoin the Paris Agreement and set a course for the United States to tackle the climate crisis at home and abroad, reaching net zero emissions economy-wide by no later than 2050. As part of re-entering the Paris Agreement, he also launched a whole-of-government process, organized through his National Climate Task Force, to establish this new 2030 emissions target – known as the "nationally determined contribution" or "NDC," a formal submission to the United Nations Framework Convention on Climate Change (UNFCCC). Today's announcement is the product of this government-wide assessment of how to make the most of the opportunity combatting climate change presents.

PUSHING PROGRESS, CREATING JOBS, AND ACHIEVING JUSTICE

The United States is not waiting, the costs of delay are too great, and our nation is resolved to

act now. Climate change poses an existential threat, but responding to this threat offers an opportunity to support good-paying, union jobs, strengthen America's working communities, protect public health, and advance environmental justice. Creating jobs and tackling climate change go hand in hand – empowering the U.S. to build more resilient infrastructure, expand access to clean air and drinking water, spur American technological innovations, and create good-paying, union jobs along the way.

To develop the goal, the Administration analyzed how every sector of the economy can spur innovation, unleash new opportunities, drive competitiveness, and cut pollution. The target builds on leadership from mayors, county executives, governors, tribal leaders, businesses, faith groups, cultural institutions, health care organizations, investors, and communities who have worked together tirelessly to ensure sustained progress in reducing pollution in the United States.

Building on and benefiting from that foundation, America's 2030 target picks up the pace of emissions reductions in the United States, compared to historical levels, while supporting President Biden's existing goals to create a carbon pollution-free power sector by 2035 and net zero emissions economy by no later than 2050. There are multiple paths to reach these goals, and the U.S. federal, state, local, and tribal governments have many tools available to work with civil society and the private sector to mobilize investment to meet these goals while supporting a strong economy.

SUPPORTING AMERICAN WORKERS

This target prioritizes American workers. Meeting the 2030 emissions target will create millions of good-paying, middle class, union jobs – line workers who will lay thousands of miles of transmission lines for a clean, modern, resilient grid; workers capping abandoned wells and reclaiming mines and stopping methane leaks; autoworkers building modern, efficient, electric vehicles and the charging infrastructure to support them; engineers and construction workers expanding carbon capture and green hydrogen to forge cleaner steel and cement; and farmers using cutting-edge tools to make American soil the next frontier of carbon innovation.

The health of our communities, well-being of our workers, and competitiveness of our economy requires this quick and bold action to reduce greenhouse gas emissions. We must:

- **Invest in infrastructure and innovation.** America must lead the critical industries that produce and deploy the clean technologies that we can harness today – and the ones that

we will improve and invent tomorrow.

- **Fuel an economic recovery that creates jobs.** We have the opportunity to fuel an equitable recovery, expand supply chains and bolster manufacturing, create millions of good-paying, union jobs, and build a more sustainable, resilient future.
- **Breathe clean air and drink clean water and advance environmental justice.** We can improve the health and well-being of our families and communities – especially those places too often left out and left behind.
- **Make it in America.** We can bolster our domestic supply chains and position the U.S. to ship American-made, clean energy products — like EV batteries – around the world.

MEETING THE MOMENT

The target is consistent with the President's goal of achieving net-zero greenhouse gas emissions by no later than 2050 and of limiting global warming to 1.5 degrees Celsius, as the science demands. To develop the target, the Administration:

- **Used a whole-of-government approach:** The NDC was developed by the National Climate Task Force using a whole-of-government approach, relying on a detailed bottom-up analysis that reviewed technology availability, current costs, and future cost reductions, as well as the role of enabling infrastructure. Standards, incentives, programs, and support for innovation were all weighed in the analysis. The National Climate Task Force is developing this into a national climate strategy to be issued later this year.
- **Consulted important and diverse stakeholders:** From unions that collectively bargain for millions of Americans who have built our country and work to keep it running to groups representing tens of millions of advocates and young Americans, the Administration listened to Americans across the country. This also included groups representing thousands of scientists; hundreds of governmental leaders like governors, mayors, and tribal leaders; hundreds of businesses; hundreds of schools and institutions of higher education; as well as with many specialized researchers focused on questions of pollution reduction.
- **Explored multiple pathways across the economy**: The target is grounded in analysis that explored multiple pathways for each economic sector of the economy that produces CO_2 and non-CO_2 greenhouse gases: electricity, transportation, buildings, industry, and lands.

Each policy considered for reducing emissions is also an opportunity to support good jobs and improve equity:

- The United States has set a goal to reach **100 percent carbon pollution-free electricity by 2035**, which can be achieved through multiple cost-effective pathways each resulting in meaningful emissions reductions in this decade. That means good-paying jobs deploying carbon pollution-free electricity generating resources, transmission, and energy storage and leveraging the carbon pollution-free energy potential of power plants retrofitted with carbon capture and existing nuclear, while ensuring those facilities meet robust and rigorous standards for worker, public, environmental safety and environmental justice.
- The United States can create good-paying jobs and **cut emissions and energy costs for families by supporting efficiency upgrades and electrification in buildings** through support for job-creating retrofit programs and sustainable affordable housing, wider use of heat pumps and induction stoves, and adoption of modern energy codes for new buildings. The United States will also invest in new technologies to reduce emissions associated with construction, including for high-performance electrified buildings.
- The United States can **reduce carbon pollution from the transportation sector** by reducing tailpipe emissions and boosting the efficiency of cars and trucks; providing funding for charging infrastructure; and spurring research, development, demonstration, and deployment efforts that drive forward very low carbon new-generation renewable fuels for applications like aviation, and other cutting-edge transportation technologies across modes. Investment in a wider array of transportation infrastructure, including transit, rail, and biking improvements, will make more choices available to travelers.
- The United States can **reduce emissions from forests and agriculture and enhance carbon sinks** through a range of programs and measures including nature-based solutions for ecosystems ranging from our forests and agricultural soils to our rivers and coasts. Ocean-based solutions can also contribute towards reducing U.S. emissions.
- The United States can **address carbon pollution from industrial processes** by supporting carbon capture as well as new sources of hydrogen—produced from renewable energy, nuclear energy, or waste—to power industrial facilities. The government can use its procurement power to support early markets for these very low- and zero-carbon industrial goods.
- The United States will also reduce non-CO2 greenhouse gases, including methane, hydrofluorocarbons and other potent short-lived climate pollutants. Reducing these pollutants delivers fast climate benefits.

- In addition, the United States will **invest in innovation** to improve and broaden the set of solutions as a critical complement to deploying the affordable, reliable, and resilient clean technologies and infrastructure available today.

America must act— and not just the federal government, but cities and states, small and big business, working communities. Together, we can seize the opportunity to drive prosperity, create jobs, and build the clean energy economy of tomorrow.

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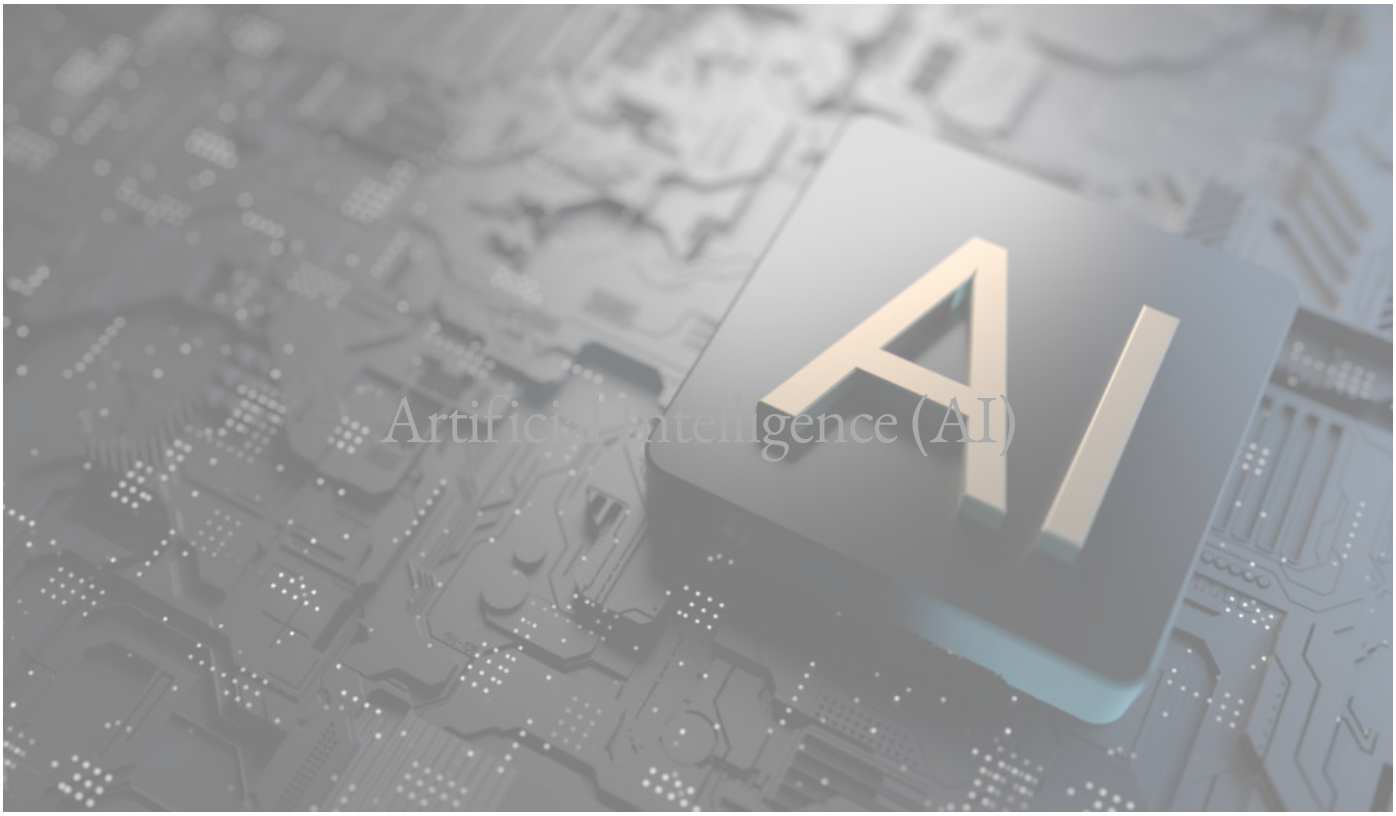
Exhibit 27

The description of Clean Energy Initiative by the State Energy Office

Exhibit 28

The page devoted to Artificial Intelligence (AI) by the U. S. Department of State



Secretary Blinken's remarks at the NSCAI Global Emerging Technolog...

“

A global technology revolution is now underway. The world’s leading powers are racing to develop and deploy new technologies like artificial intelligence and quantum computing that could shape everything about our lives – from where we get energy, to how we do our jobs, to how wars are fought. We want America to maintain our scientific and technological edge, because it’s critical to us thriving in the 21st century economy.

ANTONY J. BLINKEN
SECRETARY OF STATE

Artificial Intelligence and Society

Investments in AI have led to transformative advances now impacting our everyday lives, including mapping technologies, voice-assisted smart phones, handwriting recognition for mail delivery, financial trading, smart logistics, spam filtering, language translation, and more. AI advances are also providing great benefits to our social wellbeing in areas such as precision medicine, environmental sustainability, education, and public welfare.

> “The term ‘artificial intelligence’ means a machine-based system that can, for a given set of human-defined objectives, make predictions, recommendations or decisions influencing real or virtual environments.”
>
> **NATIONAL ARTIFICIAL INTELLIGENCE ACT OF 2020**

Artificial Intelligence and Foreign Policy

The Department of State focuses on AI because it is at the center of the global technological revolution; advances in AI technology present both great opportunities and challenges. The United States, along with our partners and allies, can both further our scientific and technological capabilities and promote democracy and human rights by working together to identify and seize the opportunities while meeting the challenges by promoting shared norms and agreements on the responsible use of AI.

Together with our allies and partners, the Department of State promotes an international policy environment and works to build partnerships that further our capabilities in AI technologies, protect our national and economic security, and promote our values. Accordingly, the Department engages in various bilateral and multilateral discussions to support responsible development, deployment, use, and governance of trustworthy AI technologies.

Organization for Economic Cooperation and Development

The Department provides policy guidance to implement trustworthy AI through the Organization for Economic Cooperation and Development (OECD) AI Policy Observatory, a platform established in February 2020 to facilitate dialogue between stakeholders and provide evidence-based policy analysis in the areas where AI has the most impact. The State Department provides leadership and support to the OECD Network of Experts on AI (ONE AI), which informs this analysis. The United States has 47 AI initiatives associated with the Observatory that help contribute to COVID-19 response, invest in workforce training, promote safety guidance for automated transportation technologies, and more.

The **OECD's Recommendation on Artificial Intelligence** is the backbone of the activities at the Global Partnership on Artificial Intelligence (GPAI) and the OECD AI Policy Observatory. In May 2019, the United States joined together with likeminded democracies of the world in adopting the OECD Recommendation on Artificial Intelligence, the first set of intergovernmental principles for trustworthy AI. The principles promote inclusive growth, human-centered values, transparency, safety and security, and accountability. The Recommendation also encourages

national policies and international cooperation to invest in research and development and support the broader digital ecosystem for AI. The Department of State champions the principles as the benchmark for trustworthy AI, which helps governments design national legislation.

Global Partnership on Artificial Intelligence

GPAI is a voluntary, multi-stakeholder initiative launched in June 2020 for the advancement of AI in a manner consistent with democratic values and human rights. GPAI's mandate is focused on project-oriented collaboration, which it supports through working groups looking at responsible AI, data governance, the future of work, and commercialization and innovation. As a founding member, the United States has played a critical role in guiding GPAI and ensuring it complements the work of the OECD.

United Nations Convention on Certain Conventional Weapons

In the context of military operations in armed conflict, the United States believes that international humanitarian law (IHL) provides a robust and appropriate framework for the regulation of all weapons, including those using autonomous functions provided by technologies such as AI. Building a better common understanding of the potential risks and benefits that are presented by weapons with autonomous functions, in particular their potential to strengthen compliance with IHL and mitigate risk of harm to civilians, should be the focus of international discussion. The United States supports the progress in this area made by the Convention on Certain Conventional Weapons, **Group of Governmental Experts on Emerging Technologies in the Area of Lethal Autonomous Weapon Systems** (GGE on LAWS), which adopted by consensus 11 Guiding Principles on responsible development and use of LAWS in 2019. The State Department will continue to work with our colleagues at the Department of Defense to engage the international community within the LAWS GGE.

Other AI Initiatives at the Department of State

Learn more about what specific bureaus and offices are doing to support this policy issue:

The **Global Engagement Center** has developed a dedicated effort for the U.S. Government to identify, assess, test and implement technologies against the problems of foreign propaganda and disinformation, in cooperation with foreign partners, private industry and academia.

The **Technology Engagement Team** (TET)

The Office of the Under Secretary for Management uses AI technologies within the Department of State to advance traditional diplomatic activities, applying machine learning to internal information technology and management consultant functions.

The Bureau of Information Resource Management (IRM)

The Office of Management Strategy and Solutions (M/SS)

The **Office of the Under Secretary of State for Economic Growth, Energy, and the Environment** engages internationally to support the U.S. science and technology (S&T) enterprise through global AI research and development (R&D) partnerships, setting fair rules of

the road for economic competition, advocating for U.S. companies, and enabling foreign policy and regulatory environments that benefit U.S. capabilities in AI.

- **Bureau of Economic and Business Affairs, Office of International Communications and Information Policy** (EB/CIP)
- **Bureau of Economic and Business Affairs, Office of Trade and Policy Negotiations** (EB/TPN)
- **Bureau of Oceans, Environment and Science, Office of Science and Technology Cooperation** (OES/STC)
- **Office of the Science and Technology Adviser to the Secretary of State** (E/STAS)

The **Office of the Under Secretary of State for Arms Control and International Security** focuses on the security implications of AI, including potential applications in weapon systems, its impact on U.S. military interoperability with its allies and partners, its impact on stability, and export controls related to AI.

- **The Bureau of Arms Control, Verification and Compliance** (AVC)
- **The Bureau of International Security and Nonproliferation** (ISN)
- **The Bureau of Political-Military Affairs** (PM)

The **Office of the Under Secretary for Civilian Security, Democracy, and Human Rights** and its component bureaus and offices focus on issues related to AI and governance, human rights, including religious freedom, and law enforcement and crime, among others.

The **Office of the Legal Adviser** leads on issues relating to AI in weapon systems (LAWS), in particular at the Group of Governmental Experts on Lethal Autonomous Weapons Systems convened under the auspices of the Convention on Certain Conventional Weapons.

For more information on federal programs and policy on artificial intelligence, visit **ai.gov** .

Exhibit 29

New Actions to Promote Responsible AI Innovation that Protects Americans' Rights and Safety

MAY 04, 2023

FACT SHEET: Biden-Harris Administration Announces New Actions to Promote Responsible AI Innovation that Protects Americans' Rights and Safety

Today, the Biden-Harris Administration is announcing new actions that will further promote responsible American innovation in artificial intelligence (AI) and protect people's rights and safety. These steps build on the Administration's strong record of leadership to ensure technology improves the lives of the American people, and break new ground in the federal government's ongoing effort to advance a cohesive and comprehensive approach to AI-related risks and opportunities.

AI is one of the most powerful technologies of our time, but in order to seize the opportunities it presents, we must first mitigate its risks. President Biden has been clear that when it comes to AI, we must place people and communities at the center by supporting responsible innovation that serves the public good, while protecting our society, security, and economy. Importantly, this means that companies have a fundamental responsibility to make sure their products are safe before they are deployed or made public.

Vice President Harris and senior Administration officials will meet today with CEOs of four American companies at the forefront of AI innovation—Alphabet, Anthropic, Microsoft, and OpenAI—to underscore this responsibility and emphasize the importance of driving responsible, trustworthy, and ethical innovation with safeguards that mitigate risks and potential harms to individuals and our society. The meeting is part of a broader, ongoing effort to engage with advocates, companies, researchers, civil rights organizations, not-for-profit organizations, communities, international partners, and others on critical AI issues.

This effort builds on the considerable steps the Administration has taken to date to promote responsible innovation. These include the landmark Blueprint for an AI Bill of Rights and related executive actions announced last fall, as well as the AI Risk Management Framework and a roadmap for standing up a National AI Research Resource released earlier this year.

The Administration has also taken important actions to protect Americans in the AI age. In February, President Biden signed an Executive Order that directs federal agencies to root out bias in their design and use of new technologies, including AI, and to protect the public from algorithmic discrimination. Last week, the Federal Trade Commission, Consumer Financial Protection Bureau, Equal Employment Opportunity Commission, and Department of Justice's Civil Rights Division issued a joint statement underscoring their collective commitment to leverage their existing legal authorities to protect the American people from AI-related harms.

The Administration is also actively working to address the national security concerns raised by AI, especially in critical areas like cybersecurity, biosecurity, and safety. This includes enlisting the support of government cybersecurity experts from across the national security community to ensure leading AI companies have access to best practices, including protection of AI models and networks.

Today's announcements include:

- **New investments to power responsible American AI research and development (R&D).** The National Science Foundation is announcing $140 million in funding to launch seven new National AI Research Institutes. This investment will bring the total number of Institutes to 25 across the country, and extend the network of organizations involved into nearly every state. These Institutes catalyze collaborative efforts across institutions of higher education, federal agencies, industry, and others to pursue transformative AI advances that are ethical, trustworthy, responsible, and serve the public good. In addition to promoting responsible innovation, these Institutes bolster America's AI R&D infrastructure and support the development of a diverse AI workforce. The new Institutes announced today will advance AI R&D to drive breakthroughs in critical areas, including climate, agriculture, energy, public health, education, and cybersecurity.

- **Public assessments of existing generative AI systems.** The Administration is announcing an independent commitment from leading AI developers, including Anthropic, Google, Hugging Face, Microsoft, NVIDIA, OpenAI, and Stability AI, to participate in a public evaluation of AI systems, consistent with responsible disclosure principles—on an evaluation platform developed by Scale AI—at the AI Village at DEFCON 31. This will allow these models to be evaluated thoroughly by thousands of community partners and AI experts to explore how the models align with the principles and practices outlined in the Biden-Harris Administration's Blueprint for an AI Bill of Rights and AI Risk Management Framework. This independent exercise will provide critical information to researchers and the public about the impacts of these models, and will enable AI

companies and developers to take steps to fix issues found in those models. Testing of AI models independent of government or the companies that have developed them is an important component in their effective evaluation.

- **Policies to ensure the U.S. government is leading by example on mitigating AI risks and harnessing AI opportunities.** The Office of Management and Budget (OMB) is announcing that it will be releasing draft policy guidance on the use of AI systems by the U.S. government for public comment. This guidance will establish specific policies for federal departments and agencies to follow in order to ensure their development, procurement, and use of AI systems centers on safeguarding the American people's rights and safety. It will also empower agencies to responsibly leverage AI to advance their missions and strengthen their ability to equitably serve Americans—and serve as a model for state and local governments, businesses and others to follow in their own procurement and use of AI. OMB will release this draft guidance for public comment this summer, so that it will benefit from input from advocates, civil society, industry, and other stakeholders before it is finalized.

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Exhibit 30

W-2 form Dr. Doe received from Anycompany Inc. for the calendar year 2022